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**MOSFET**

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# **ELEFLOW MOSFET CATALOG**

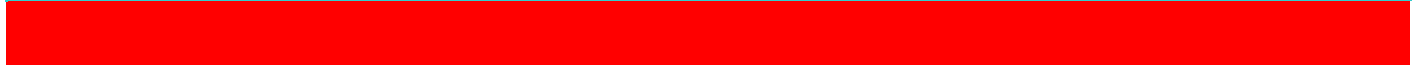
**2012 VERSION**



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| Part Number | Type      | PD<br>(W) | ID<br>(A) | VBR(DSS<br>(V) | RDS(on)(max) |           |            | VGS(th)   |        | gfs(min) |            |           | Package   |
|-------------|-----------|-----------|-----------|----------------|--------------|-----------|------------|-----------|--------|----------|------------|-----------|-----------|
|             |           |           |           |                | (Ω)          | ID<br>(A) | VGS<br>(V) | (V)       | ID(μA) | (S)      | VDS<br>(V) | ID<br>(A) |           |
| BSS138      | N-ch MOS  | 0.35      | 0.22      | 50             | 3.5          | 0.22      | 10         | 0.8~1.5   | 1000   | 0.12     | 10         | 0.22      | SOT-23    |
| 2310        | N-ch MOS  | 0.35      | 3         | 60             | 0.125        | 3         | 4.5        | 1~3       | 250    | 3        | 15         | 2         | SOT-23    |
| D02N60      | N-ch MOS  | 1.25      | 2         | 600            | 4.4          | 1         | 10         | 2~4       | 250    | 1        | 50         | 1         | TO-251-3L |
| 2N7002T     | N-ch MOS  | 0.15      | 0.115     | 60             | 7            | 0.5       | 10         | 1         | 250    | 0.08-0.5 | 10         | 0.2       | SOT-523   |
| PF05N60     | N-ch MOS  | 2         | 4.5       | 600            | 2.5          | 2.25      | 10         | 2~4       | 250    | 2.9      | 40         | 2.25      | TO-220F   |
| 2306        | N-ch MOS  | 0.75      | 3.16      | 30             | 0.047        | 3.5       | 10         | 1~3       | 250    | 7        | 4.5        | 2.5       | SOT-23    |
| 2102        | N-ch MOS  | 0.2       | 2.1       | 20             | 0.115        | 3.1       | 2.5        | 1.2       | 50     | 8        | 5          | 3.6       | SOT-323   |
| 3134K       | N-ch MOS  | 0.15      | 0.75      | 20             | 0.8          | 0.45      | 1.8        | 1         | 250    | 1.6+     | 10         | 0.8       | SOT-723   |
| 3139K       | P-ch MOS  | 0.15      | -0.66     | -20            | 0.95         | -0.5      | -1.8       | -0.8      | -250   | 1.2+     | -10        | -0.54     | SOT-723   |
| W1012       | N-ch MOS  | 0.275     | 0.5       | 20             | 0.85         | 0.5       | 2.5        | 1.2       | 250    | 1+       | 10         | 0.4       | SOT-323   |
| U4828       | N-ch MOS  | 1.25      | 4.5       | 60             | 0.077        | 3         | 4.5        | 1~3       | 250    | 4        | 5          | 4.5       | TO-252-2L |
| P71N90      | N-ch MOS  | 2         | 90        | 71             | 0.0068       | 40        | 10         | 2~4       | 250    | 60+      | 5          | 40        | TO-220-3L |
| 2102        | N-ch MOS  | 0.2       | 2.1       | 20             | 0.115        | 3.1       | 2.5        | 1.2       | 50     | 8        | 5          | 3.6       | SOT-323   |
| 2301S       | P-ch MOS  | 0.35      | -2.3      | -20            | 0.112        | -2.8      | -4.5       | -0.4~-1   | -250   | 4        | -5         | -2.8      | SOT-23    |
| 2N7002      | N-ch MOS  | 0.225     | 0.115     | 60             | 7            | 0.5       | 10         | 1         | 250    | 0.08     | 10         | 0.2       | SOT-23    |
| 2N7002DW    | N-ch MOS  | 0.15      | 0.115     | 60             | 7            | 0.5       | 10         | 1         | 250    | 0.08     | 10         | 0.2       | SOT-363   |
| 2N7002W     | N-ch MOS  | 0.2       | 0.115     | 60             | 7            | 0.5       | 10         | 1         | 250    | 0.08     | 10         | 0.2       | SOT-323   |
| 2N7002X     | N-ch MOS  | 0.5       | 0.115     | 60             | 7            | 0.5       | 10         | 1         | 250    | 0.08     | 10         | 0.2       | SOT-89-3L |
| 9926        | N-ch MOS  | 0.35      | 6         | 20             | 0.03         | 6         | 4.5        | 0.6~1.2   | 250    | -        | -          | -         | SOT-23    |
| 2321        | P-ch MOS  | 0.35      | -2.9      | -20            | 0.057        | -3.3      | -4.5       | -0.4~-0.9 | -250   | 3        | -5         | -3.3      | SOT-23    |
| 2301        | P-ch MOS  | 0.35      | -2.3      | -20            | 0.112        | -2.8      | -4.5       | -0.4~-1   | -250   | 6.5+     | -5         | -2.8      | SOT-23    |
| B10N60      | N-ch MOS  | 2         | 10        | 600            | 1            | 5         | 10         | 2~4       | 250    | -        | -          | -         | TO-263-2L |
| 2N7002K     | N-ch MOS  | 0.35      | 0.34      | 60             | 5            | 0.5       | 10         | 1         | 1000   | -        | -          | -         | SOT-23    |
| 2101        | P-ch MOS  | 0.29      | -1.4      | -8             | -0.1         | -1        | -4.5       | -0.45     | -250   | -        | -          | -         | SOT-323   |
| P10N60      | N-ch MOS  | 2         | 10        | 600            | 1            | 5         | 10         | 2~4       | 250    | -        | -          | -         | TO-220-3L |
| P12N60      | N-ch MOS  | 2         | 12        | 600            | 0.8          | 6         | 10         | 2~4       | 250    | -        | -          | -         | TO-220-3L |
| D01N60      | N-ch MOS  | 1         | 1         | 600            | 10           | 0.6       | 10         | 2~4       | 250    | 0.5      | 50         | 0.5       | TO-251-3L |
| U02N60      | N-ch MOS  | 1.25      | 2         | 600            | 4.4          | 1         | 10         | 2~4       | 250    | 1        | 50         | 1         | TO-252-2L |
| U01N60      | N-ch MOS  | 1.25      | 1         | 600            | 10           | 0.6       | 10         | 2~4       | 250    | 0.5      | 50         | 0.5       | TO-252-2L |
| D4410       | N-ch MOS  | 1         | 7.5       | 30             | 0.02         | 5         | 4.5        | 1~3       | 250    | 20       | 15         | 5         | TO-251-3L |
| D4435       | P-ch MOS  | 1         | -9.1      | -30            | 0.035        | -6.9      | -4.5       | -1~-3     | -250   | 20       | -10        | -9.1      | TO-251-3L |
| M7002NND03  | N-ch MOS  | 0.15      | 0.115     | 60             | 7.2          | 0.5       | 10         | 1         | 250    | 0.08     | 10         | 0.2       | WBFBP-03B |
| P75N80      | N-ch MOS  | 2         | 80        | 75             | 0.01         | 40        | 10         | 2~4       | 250    | 60+      | 10         | 40        | TO-220-3L |
| UM6K1N      | N-ch*2 MO | 0.15      | 0.1       | 30             | 13           | 0.001     | 2.5        | 0.8~1.5   | 100    | 0.02     | 3          | 0.01      | SOT-363   |
| M7002TTD03  | N-ch MOS  | 0.15      | 0.115     | 60             | 7.2          | 0.5       | 10         | 1         | 250    | 0.08     | 10         | 0.2       | WBFBP-03A |
| IRFB830     | N-ch MOS  | 2         | 4.5       | 500            | 1.5          | 2.7       | 10         | 2~4       | 250    | 2.5      | 50         | 2.7       | TO-263-3L |
| IRF840      | N-ch MOS  | 2         | 8         | 500            | 0.85         | 4.8       | 10         | 2~4       | 250    | 4.9      | 50         | 4.8       | TO-220-3L |
| IRF830      | N-ch MOS  | 2         | 4.5       | 500            | 1.5          | 2.7       | 10         | 2~4       | 250    | 2.5      | 50         | 2.7       | TO-220-3L |
| IRF730      | N-ch MOS  | 2         | 5.5       | 400            | 1            | 3.3       | 10         | 2~4       | 250    | 2.9      | 50         | 3.3       | TO-220-3L |
| IRF640      | N-ch MOS  | 2         | 18        | 200            | 0.18         | 11        | 10         | 2~4       | 250    | 6.7      | 50         | 11        | TO-220-3L |
| IRF630      | N-ch MOS  | 2         | 9.3       | 200            | 0.4          | 5.4       | 10         | 2~4       | 250    | 3.8      | 50         | 5.4       | TO-220-3L |
| P75N75      | N-ch MOS  | 1.8       | 78        | 75             | 0.01         | 40        | 10         | 2~4       | 250    | 60+      | 10         | 40        | TO-220-3L |
| P07N60      | N-ch MOS  | 2         | 7         | 600            | 1.3          | 3.5       | 10         | 2~4       | 250    | 5        | 50         | 3.9       | TO-220-3L |
| P05N60      | N-ch MOS  | 2         | 4.5       | 600            | 2.5          | 2.25      | 10         | 2~4       | 250    | 2.9      | 40         | 2.25      | TO-220-3L |
| P04N60      | N-ch MOS  | 2         | 4         | 600            | 3            | 2         | 10         | 2~4       | 250    | 2.5      | 50         | 2         | TO-220-3L |
| A9451       | P-ch MOS  | 0.5       | -2.3      | -20            | 0.135        | -2.3      | -4.5       | -0.5~-1.5 | -250   | 2.3      | -5         | -2.3      | SOT-89-3L |
| 3415        | P-ch MOS  | 0.35      | -4        | -20            | 0.05         | -4        | -4.5       | -0.3~-1   | -250   | 8        | -5         | -4        | SOT-23    |
| 3407        | P-ch MOS  | 0.35      | -4.1      | -30            | 0.06         | -4.1      | -10        | -1~-3     | -250   | 5.5      | -5         | -4        | SOT-23    |
| 3401        | P-ch MOS  | 0.35      | -4.2      | -30            | 0.065        | -4.2      | -10        | -0.7~-1.3 | -250   | 7        | -5         | -5        | SOT-23    |
| 2305        | P-ch MOS  | 0.35      | -4.1      | -8             | 0.045        | -3.5      | -4.5       | -0.5~-0.9 | -250   | 6        | -5         | -4.1      | SOT-23    |
| A9452       | N-ch MOS  | 0.5       | 4         | 20             | 0.038        | 4         | 10         | 0.7~1.5   | 250    | 3        | 5          | 3         | SOT-89-3L |
| 3420        | N-ch MOS  | 0.35      | 6         | 20             | 0.024        | 6         | 10         | 0.5~1     | 250    | 4        | 5          | 3.8       | SOT-23    |

|         |          |      |      |     |       |      |     |          |      |      |     |      |         |
|---------|----------|------|------|-----|-------|------|-----|----------|------|------|-----|------|---------|
| 3406    | N-ch MOS | 0.35 | 3.6  | 30  | 0.065 | 3.6  | 10  | 1~3      | 250  | 3    | 5   | 3.6  | SOT-23  |
| 3404    | N-ch MOS | 0.35 | 5.8  | 30  | 0.028 | 5.8  | 10  | 1~3      | 250  | 5    | 5   | 5.8  | SOT-23  |
| 3400    | N-ch MOS | 0.35 | 5.8  | 30  | 0.035 | 5.8  | 10  | 0.7~1.4  | 250  | 8    | 5   | 5    | SOT-23  |
| 2312    | N-ch MOS | 0.25 | 5    | 20  | 0.318 | 5    | 4.5 | 0.45~1   | 250  | 20   | 10  | 5    | SOT-23  |
| 2304    | N-ch MOS | 0.35 | 3.3  | 30  | 0.06  | 3.2  | 10  | 1.2~2.2  | 250  | 3    | 4.5 | 2.5  | SOT-23  |
| 2303    | P-ch MOS | 0.35 | -1.9 | -30 | 0.19  | -1.9 | -10 | -1~-3    | -250 | 1    | -5  | -1.9 | SOT-23  |
| 2302    | N-ch MOS | 0.35 | 2.1  | 20  | 0.06  | 3.6  | 4.5 | 0.65~1.2 | 50   | 8+   | 5   | 3.6  | SOT-23  |
| BSS138K | N-ch MOS | 0.35 | 0.22 | 50  | 1.6   | 0.05 | 5   | 0.6~1.2  | 250  | 0.2  | 10  | 0.2  | SOT-23  |
| 2SK3541 | N-ch MOS | 0.15 | ±0.1 | 30  | 8     | 0.01 | 4   | 0.8~1.5  | 100  | 20   | 3   | 0.01 | SOT-723 |
| 2SK3019 | N-ch MOS | 0.15 | 0.1  | 30  | 8     | 0.01 | 4   | 0.8~1.5  | 100  | 0.02 | 3   | 0.01 | SOT-523 |
| 2SK3018 | N-ch MOS | 0.2  | 0.1  | 30  | 8     | 0.01 | 4   | 0.8~1.5  | 100  | 0.02 | 3   | 0.01 | SOT-323 |
| 2SK3018 | N-ch MOS | 0.35 | 0.1  | 30  | 8     | 0.01 | 4   | 0.8~1.5  | 100  | 0.02 | 3   | 0.01 | SOT-23  |
| 2N7000  | N-ch MOS | 0.35 | 0.2  | 60  | 5     | 0.5  | 10  | 0.8~3    | 1000 | 0.1  | 10  | 0.2  | TO-92   |



| Part Number | VDSS | I <sub>D</sub> (CONT) | R <sub>DS</sub> (ON) | P <sub>d</sub>     | Q <sub>g</sub> (Typ) | E <sub>AS</sub> | Package            | Product |
|-------------|------|-----------------------|----------------------|--------------------|----------------------|-----------------|--------------------|---------|
|             |      | [A]                   | V <sub>gs</sub> =10V | [W]                |                      |                 |                    | Status  |
| EW50N06     | 60V  | 50A                   | 0.022Ω               | 120W               | 40nC                 | 490mJ           | D <sup>2</sup> PAK | Matured |
| EI50N06     |      |                       |                      | I <sup>2</sup> PAK |                      |                 |                    |         |
| EP50N06     |      | TO-220                |                      |                    |                      |                 |                    |         |
| ES50N06     |      | TO-220F               |                      |                    |                      |                 |                    |         |
| EP35N75     | 75V  | 35A                   | 0.03Ω                | 120W               | 40nC                 | 580mJ           | TO-220             | Matured |
| ES35N75     |      |                       |                      | 40W                |                      |                 | TO-220F            |         |
| EW75N75     |      | 80A                   | 0.012Ω               | 160W               | 77nC                 | 1476mJ          | D <sup>2</sup> PAK | Matured |
| EP75N75     |      |                       |                      | TO-220             |                      |                 | Matured            |         |
| ES75N75     |      |                       |                      | 45W                |                      |                 |                    | TO-220F |
| ED13N10     | 100V | 10A                   | 0.28Ω                | 40W                | 12nC                 | 95mJ            | DPAK               | Matured |
| EU13N10     |      |                       |                      |                    |                      |                 | IPAK               |         |
| EP630       | 200V | 9.0A                  | 0.4Ω                 | 72W                | 22nC                 | 160mJ           | TO-220             | Matured |
| ES630       |      |                       |                      | 38W                |                      |                 | TO-220F            |         |
| EW640       |      | 18.0A                 | 0.18Ω                | 139W               | 37nC                 | 250mJ           | D <sup>2</sup> PAK | Matured |
| EI640       |      |                       |                      |                    |                      |                 | I <sup>2</sup> PAK |         |
| EP640       |      |                       |                      | TO-220             |                      |                 |                    |         |
| ES640       |      |                       |                      | 43W                |                      |                 | TO-220F            |         |
| EP634       | 250V | 8.1A                  | 0.45Ω                | 74W                | 30nC                 | 200mJ           | TO-220             | Matured |
| ES634       |      |                       |                      | 38W                |                      |                 | TO-220F            |         |
| EP644       |      | 14.0A                 | 0.28Ω                | 139W               | 42nC                 | 480mJ           | TO-220             | Matured |
| ES644       |      |                       |                      | 43W                |                      |                 | TO-220F            |         |
| ED5N40      | 400V | 3.4A                  | 1.6Ω                 | 45W                | 13nC                 | 510mJ           | DPAK               | Matured |
| EU5N40      |      |                       |                      | IPAK               |                      |                 |                    |         |
| EP5N40      |      | 70W                   |                      | TO-220             |                      |                 |                    |         |
| ES5N40      |      | 35W                   |                      | TO-220F            |                      |                 |                    |         |
| EP730       |      | 5.5A                  | 1Ω                   | 73W                | 18nC                 | 330mJ           | TO-220             | Matured |
| ES730       |      |                       |                      | 38W                |                      |                 | TO-220F            |         |
| EP730S      |      | 6.0A                  | 1Ω                   | 73W                | 17nC                 | 280mJ           | TO-220             | Matured |
| EP740       |      | 10.5A                 | 0.57Ω                | 135W               | 25nC                 | 360mJ           | TO-220             | Matured |
| ES740       |      |                       |                      | 44W                |                      |                 | TO-220F            |         |
| EW11N40     |      | 11.4A                 | 0.48Ω                | 147W               | 35nC                 | 520mJ           | D <sup>2</sup> PAK | Matured |
| EP11N40     |      |                       |                      |                    |                      |                 | TO-220             | Matured |
| ES11N40     |      |                       |                      |                    |                      |                 | 50W                |         |
| ED4N50      |      | 2.6A                  | 2.7Ω                 | 45W                | 13nC                 | 440mJ           | DPAK               | Matured |
| EU4N50      |      |                       |                      | IPAK               |                      |                 |                    |         |
| EP4N50      |      | 3.4A                  |                      | 70W                |                      |                 | TO-220             |         |
| ES4N50      |      |                       |                      | 28W                |                      |                 | TO-220F            |         |
| EP830       |      | 4.5A                  | 1.5Ω                 | 73W                | 18nC                 | 270mJ           | TO-220             | Matured |
| ES830       | 38W  |                       |                      | TO-220F            |                      |                 |                    |         |

|          |       |        |      |       |         |         |                    |         |                    |                    |
|----------|-------|--------|------|-------|---------|---------|--------------------|---------|--------------------|--------------------|
| ED5N50S  | 500V  | 4.0A   | 1.5Ω | 48W   | 15.5nC  | 300mJ   | DPAK               | Matured |                    |                    |
| EU5N50S  |       |        |      |       |         |         | IPAK               |         |                    |                    |
| EW5N50S  |       | 5.0A   |      | 73W   |         |         | 13nC               |         | 230mJ              | D <sup>2</sup> PAK |
| EI5N50S  |       |        |      |       |         |         |                    |         |                    | I <sup>2</sup> PAK |
| EP5N50S  |       |        |      |       |         |         |                    |         |                    | TO-220             |
| ES5N50S  |       |        |      |       |         |         |                    |         |                    | TO-220F            |
| EP5N50U  |       |        |      |       | TO-220  |         |                    |         |                    |                    |
| ES5N50U  |       |        |      |       | TO-220F |         |                    |         |                    |                    |
| EW9N50   |       |        |      |       |         |         | D <sup>2</sup> PAK | Matured |                    |                    |
| EI9N50   |       | 9.0A   |      | 0.73Ω | 147W    | 35nC    | 360mJ              |         | I <sup>2</sup> PAK |                    |
| EP9N50   |       |        |      |       |         |         |                    |         | TO-220             |                    |
| ES9N50   |       |        |      |       |         |         |                    |         | 50W                | TO-220F            |
| EP840    | 9.0A  | 0.85Ω  | 135W | 25nC  | 360mJ   | TO-220  | Matured            |         |                    |                    |
| ES840    |       |        | 44W  |       |         | TO-220F |                    |         |                    |                    |
| EP13N50S | 13.0A | 0.48Ω  | 195W | 38nC  | 560mJ   | TO-220  | Matured            |         |                    |                    |
| ES13N50S |       |        | 48W  |       |         | TO-220F |                    |         |                    |                    |
| EH18N50S | 19.0A | 0.265Ω | 239W | 52nC  | 945mJ   | TO-3P   | Matured            |         |                    |                    |
| EB1N60   | 600V  | 0.4A   | 12Ω  | 3W    | 4.0nC   | 50mJ    | TO-92              | Matured |                    |                    |
| EC1N60   |       | 0.5A   |      | 7.5W  |         |         | TO-126             |         |                    |                    |
| ED1N60   |       | 0.9A   |      | 31W   |         |         | DPAK               |         |                    |                    |
| EU1N60   |       |        |      |       |         |         | IPAK               |         |                    |                    |
| ET1N60S  |       | 0.2A   | 12Ω  | 2.1W  | 3.0nC   | 33mJ    | SOT-223            | Matured |                    |                    |
| EB1N60S  |       | 0.3A   |      | 2.5W  |         |         | TO-92              |         |                    |                    |
| ED1N60S  |       | 1.0A   |      | 28W   |         |         | DPAK               |         |                    |                    |
| EU1N60S  |       |        |      |       |         |         | IPAK               |         |                    |                    |
| ED2N60   |       | 1.8A   | 5.0Ω | 44W   | 9.0nC   | 150mJ   | DPAK               | Matured |                    |                    |
| EU2N60   |       |        |      |       |         |         | IPAK               |         |                    |                    |
| EP2N60   |       | 2.0A   |      | 54W   |         |         | TO-220             |         |                    |                    |
| ES2N60   |       |        |      | 23W   |         |         | TO-220F            |         |                    |                    |
| ED2N60S  |       | 1.9A   | 5.0Ω | 44W   | 6.0nC   | 120mJ   | DPAK               | Matured |                    |                    |
| EU2N60S  |       |        |      |       |         |         | IPAK               |         |                    |                    |
| EP2N60S  |       | 2.0A   |      | 54W   |         |         | TO-220             |         |                    |                    |
| ES2N60S  |       |        |      | 23W   |         |         | TO-220F            |         |                    |                    |
| EP4N60   |       | 4.0A   | 2.5Ω | 100W  | 15nC    | 240mJ   | TO-220             | Matured |                    |                    |
| ES4N60   |       |        |      | 33W   |         |         | TO-220F            |         |                    |                    |
| ED5N60S  |       | 4.3A   | 2.5Ω | 91W   | 10.5nC  | 210mJ   | DPAK               | Matured |                    |                    |
| EU5N60S  |       |        |      |       |         |         | IPAK               |         |                    |                    |
| EW5N60S  |       | 4.5A   |      | 100W  |         |         | 163mJ              |         | D <sup>2</sup> PAK |                    |
| EI5N60S  |       |        |      |       |         |         |                    |         | I <sup>2</sup> PAK |                    |
| EP5N60S  |       |        |      |       |         |         |                    |         | TO-220             |                    |
| ES5N60S  |       |        |      |       |         |         |                    |         | TO-220F            |                    |
| EP5N60U  |       |        |      |       |         | TO-220  |                    |         |                    |                    |
|          |       |        |      |       |         |         |                    |         |                    |                    |
| ES5N60U  |       |        |      | 44W   |         | TO-220F |                    |         |                    |                    |

|          |      |       |         |                    |         |         |                    |         |                    |
|----------|------|-------|---------|--------------------|---------|---------|--------------------|---------|--------------------|
| ED6N60U  |      | 4.8A  | 1.66Ω   | 95W                | 16nC    | 170mJ   | D <sup>2</sup> PAK | Matured |                    |
| EU6N60U  |      |       |         | I <sup>2</sup> PAK |         |         |                    |         |                    |
| EP6N60U  |      |       |         | TO-220             |         |         |                    |         |                    |
| ES6N60U  |      |       |         | TO-220F            |         |         |                    |         |                    |
| EP7N60   |      | 7.0A  | 1.2Ω    | 147W               | 30nC    | 420mJ   | TO-220             | Matured |                    |
| ES7N60   |      |       |         | 48W                |         |         | TO-220F            |         |                    |
| EP8N60S  |      | 7.5A  | 1.2Ω    | 147W               | 22nC    | 230mJ   | TO-220             | Matured |                    |
| ES8N60S  |      |       |         | 48W                |         |         | TO-220F            |         |                    |
| ED8N60U  |      | 6.0A  | 1.2Ω    | 98W                | 22nC    | 280mJ   | D <sup>2</sup> PAK | Matured |                    |
| EU8N60U  |      |       |         | I <sup>2</sup> PAK |         |         |                    |         |                    |
| EP8N60U  |      |       |         | 150W               |         |         | TO-220             |         |                    |
| ES8N60U  |      |       |         | 48W                |         |         | TO-220F            |         |                    |
| EW10N60  |      | 9.5A  | 0.8Ω    | 156W               | 44nC    | 520mJ   | D <sup>2</sup> PAK | Matured |                    |
| EP10N60  |      |       |         | TO-220             |         |         |                    |         |                    |
| ES10N60  |      |       |         | 50W                |         |         | TO-220F            |         |                    |
| EP10N60S |      |       |         | 156W               |         |         | 29nC               |         | 700mJ              |
| ES10N60S |      | 50W   | TO-220F |                    |         |         |                    |         |                    |
| EP12N60S |      | 12.0A | 0.65Ω   | 225W               | 38nC    | 870mJ   | TO-220             | Matured |                    |
| ES12N60S |      |       |         | 51W                |         |         | TO-220F            |         |                    |
| EH19N60  |      | 18.5A | 0.38Ω   | 300W               | 95nC    | 1150mJ  | TO-3P              | Matured |                    |
| ED1N65   | 650V | 0.8A  | 13.5Ω   | 31W                | 4.5nC   | 40mJ    | DPAK               | Matured |                    |
| EU1N65   |      |       |         |                    |         |         | IPAK               |         |                    |
| ED1N65S  |      | 0.9A  | 13.5Ω   | 28W                | 3.0nC   | 26mJ    | DPAK               | Matured |                    |
| EU1N65S  |      |       |         |                    |         |         | IPAK               |         |                    |
| EU2N65   |      | 1.6A  | 6.0Ω    | 44W                | 8.5nC   | 120mJ   | IPAK               | Matured |                    |
| EP2N65   |      | 1.8A  |         | 54W                |         |         | TO-220             |         |                    |
| ES2N65   |      |       |         | 23W                |         |         | TO-220F            |         |                    |
| ED2N65S  |      | 1.6A  | 6.5Ω    | 44W                | 6.0nC   | 100mJ   | DPAK               | Matured |                    |
| EU2N65S  |      |       |         |                    |         |         | IPAK               |         |                    |
| EP2N65S  |      |       |         | 1.8A               |         |         | 54W                |         | TO-220             |
| ES2N65S  |      | 23W   | TO-220F |                    |         |         |                    |         |                    |
| EP4N65   |      | 3.6A  | 2.9Ω    | 100W               | 15nC    | 240mJ   | TO-220             | Matured |                    |
| ES4N65   |      |       |         | 33W                |         |         | TO-220F            |         |                    |
| ED5N65S  |      | 4.0A  | 2.9Ω    | 91W                | 10.5nC  | 180mJ   | DPAK               | Matured |                    |
| EU5N65S  |      |       |         |                    |         |         | IPAK               |         |                    |
| EW5N65S  |      | 4.2A  |         | 100W               |         |         | D <sup>2</sup> PAK |         |                    |
| EI5N65S  |      |       |         |                    |         |         | I <sup>2</sup> PAK |         |                    |
| EP5N65S  |      |       |         |                    |         | TO-220  |                    |         |                    |
| ES5N65S  |      |       |         |                    |         | TO-220F |                    |         |                    |
| EP5N65U  |      | 4.8A  |         | 123W               | 140mJ   | TO-220  | Matured            |         |                    |
| ES5N65U  |      |       |         | 44W                |         | TO-220F |                    |         |                    |
| ED6N65U  |      |       |         | 95W                |         | 16nC    |                    | 170mJ   | D <sup>2</sup> PAK |
| EU6N65U  |      | 6.0A  |         | 2.0Ω               | 150W    |         | I <sup>2</sup> PAK |         |                    |
| EP6N65U  |      |       |         |                    | 54W     |         | TO-220             |         |                    |
| ES6N65U  |      |       |         |                    | TO-220F |         |                    |         |                    |
| EP8N65S  |      | 7.2A  | 1.4Ω    | 147W               | 22nC    | 210mJ   | TO-220             | Matured |                    |
| ES8N65S  |      |       |         | 48W                |         |         | TO-220F            |         |                    |

|          |      |       |         |        |        |         |                    |         |        |       |
|----------|------|-------|---------|--------|--------|---------|--------------------|---------|--------|-------|
| ED8N65U  |      | 5.6A  | 1.4Ω    | 98W    | 22nC   | 250mJ   | D <sup>2</sup> PAK | Matured |        |       |
| EU8N65U  |      | 7.2A  |         | 150W   |        |         | I <sup>2</sup> PAK |         |        |       |
| EP8N65U  |      |       |         |        |        |         | TO-220             |         |        |       |
| ES8N65U  |      | 48W   | TO-220F |        |        |         |                    |         |        |       |
| EP10N65S |      | 9.2A  | 1.0Ω    | 156W   | 29nC   | 650mJ   | TO-220             | Matured |        |       |
| ES10N65S |      | 12.0A | 0.78Ω   | 50W    | 38nC   | 860mJ   | TO-220F            |         |        |       |
| EP12N65S |      |       |         | 225W   |        |         | TO-220             | Matured |        |       |
| ES12N65S |      | 51W   | TO-220F |        |        |         |                    |         |        |       |
| EP13N65U |      | 14.0A | 0.5Ω    | 230W   | 60nC   | 800mJ   | TO-220             | Matured |        |       |
| ES13N65U |      | 700V  | 0.3A    | 17Ω    | 2.5W   | 4.5nC   | 33mJ               |         | TO-92  |       |
| EC1N70   | 7.5W |       |         |        | TO-126 |         |                    | Matured |        |       |
| ED1N70   |      |       |         |        |        |         | DPAK               |         |        |       |
| EU1N70   |      |       |         |        |        |         | IPAK               |         |        |       |
| EB1N70S  |      |       |         |        |        |         | TO-92              |         |        |       |
| ED2N70S  | 38W  |       | DPAK    |        |        |         |                    |         |        |       |
| EU2N70S  | 1.5A |       |         |        |        |         | IPAK               |         |        |       |
| EP2N70S  |      |       |         |        |        |         | 43W                | TO-220  |        |       |
| ES2N70S  |      |       |         | 28W    |        |         | TO-220F            |         |        |       |
| ED5N70S  | 91W  |       | DPAK    |        |        |         |                    |         |        |       |
| EU5N70S  | 1.6A |       |         |        |        |         | IPAK               |         |        |       |
| EP5N70S  |      |       |         |        |        |         | 100W               |         | TO-220 |       |
| ES5N70S  |      |       |         | 33W    |        |         | TO-220F            |         |        |       |
| ED6N70U  | 4.8A |       | 2.3Ω    | 95W    | 16nC   | 170mJ   | DPAK               | Matured |        |       |
| EU6N70U  |      |       |         |        |        |         | IPAK               |         |        |       |
| EC1N80   | 800V | 0.6A  | 16Ω     | 13.9W  | 17nC   | 90mJ    | TO-126             | Matured |        |       |
| ED1N80   |      | 1.0A  |         | 45W    |        |         | DPAK               |         |        |       |
| EU1N80   |      | 2.5A  |         | 4.8Ω   |        |         | 70W                |         | 35nC   | 320mJ |
| ED3N80   |      |       | 3.0A    |        | 107W   | IPAK    |                    | Matured |        |       |
| EU3N80   |      |       |         |        |        | TO-220  |                    |         |        |       |
| EP3N80   |      | 39W   | TO-220F |        |        |         |                    |         |        |       |
| ES3N80   |      | 7.0A  | 1.9Ω    |        | 167W   | TO-220  | Matured            |         |        |       |
| EP7N80   |      |       |         |        | 56W    | TO-220F |                    |         |        |       |
| ES7N80   |      |       |         | 198W   | TO-3P  |         |                    |         |        |       |
| EH7N80   |      | 9.4A  | 1.15Ω   | 195W   | 58nC   | 920mJ   | TO-220             | Matured |        |       |
| EP10N80  |      |       |         | 65W    |        |         | TO-220F            |         |        |       |
| ES10N80  |      |       |         | 240W   |        |         | TO-3P              |         |        |       |
| EH10N80  |      | 10.0A | 0.95Ω   | 300W   | 68nC   | 1100mJ  | TO-3P              | Matured |        |       |
| EH13N80  |      | 12.6A |         |        |        |         |                    |         |        |       |
| EP6N90   | 900V | 6.0A  | 2.4Ω    | 167W   | 35nC   | 650mJ   | TO-220             | Matured |        |       |
| ES6N90   |      |       |         | 56W    |        |         | TO-220F            |         |        |       |
| EH6N90   |      |       |         | 198W   |        |         | TO-3P              |         |        |       |
| EH9N90   |      | 9.0A  | 1.4Ω    | 280W   | 55nC   | 900mJ   | TO-3P              | Matured |        |       |
| EA9N90   |      | 5.7A  | 110W    | TO-247 |        |         |                    |         |        |       |
| EH11N90  |      | 11.0A | 1.15Ω   | 300W   | 75nC   | 960mJ   | TO-3P              | Matured |        |       |



| Part Number | BVDSS<br>[V] | RDS(ON)<br>[R] | ID<br>[A] | Qg<br>[nC] | Product status | Package |
|-------------|--------------|----------------|-----------|------------|----------------|---------|
| P50N06M     | 60           | 0.023          | 50        | 33         | Matured        | TO-220  |
| P85N06M     | 60           | 0.012          | 85        |            | Developed      | TO-220  |
| P75N75M     | 75           | 0.011          | 80        | 64         | Matured        | TO-220  |
| F630M       | 200          | 0.4            | 10        | 20         | Matured        | TO-220F |
| P630M       | 200          | 0.4            | 10        | 20         | Matured        | TO-220  |
| F640M       | 200          | 0.18           | 18        | 40         | Matured        | TO-220F |
| P640M       | 200          | 0.18           | 18        | 40         | Matured        | TO-220  |
| F634M       | 250          | 0.43           | 8         | 26         | Matured        | TO-220F |
| P634M       | 250          | 0.43           | 8         | 26         | Matured        | TO-220  |
| F644M       | 250          | 0.28           | 15.6      | 40         | Matured        | TO-220F |
| P644M       | 250          | 0.28           | 15.6      | 40         | Matured        | TO-220  |
| P14N30M     | 300          | 0.29           | 14        |            | Developed      | TO-220  |
| P730M       | 400          | 1              | 6         | 18         | Matured        | TO-220  |
| P740M       | 400          | 0.53           | 10.5      | 30         | Matured        | TO-220  |
| D5N50M      | 500          | 1.5            | 4         | 20         | Matured        | TO-220  |
| F830M       | 500          | 1.5            | 5         | 20         | Matured        | TO-220F |
| P830M       | 500          | 1.5            | 5         | 20         | Matured        | TO-220  |
| P840M       | 500          | 0.8            | 9         | 30         | Matured        | TO-220  |
| F13N50M     | 500          | 0.48           | 13        | 45         | Matured        | TO-220F |
| P13N50M     | 500          | 0.48           | 13        | 45         | Matured        | TO-220  |
| A16N50M     | 500          | 0.48           | 16        | 45         | Matured        | TO-3P   |
| F16N50M     | 500          | 0.38           | 16        | 45         | Matured        | TO-220F |
| P16N50M     | 500          | 0.38           | 16        | 45         | Matured        | TO-220  |
| A18N50M     | 500          | 0.32           | 18        | 50         | Matured        | TO-3P   |
| F18N50M     | 500          | 0.3            | 18        | 50         | Matured        | TO-220F |
| P18N50M     | 500          | 0.3            | 18        | 45         | Matured        | TO-220  |
| A20N50M     | 500          | 0.26           | 20        | 70         | Matured        | TO-3P   |
| K20N50M     | 500          | 0.26           | 20        | 70         | Matured        | TO-247  |
| A24N50M     | 500          | 0.2            | 24        | 90         | Matured        | TO-3P   |
| D1N60       | 600          | 11.5           | 1         | 7          | Matured        | TO-252  |
| U1N60       | 600          | 11.5           | 1         | 7          | Matured        | TO-251  |
| D2N60M      | 600          | 5              | 1.9       | 9          | Matured        | TO-252  |
| U2N60M      | 600          | 5              | 1.9       | 9          | Matured        | TO-251  |
| F2N60M      | 600          | 5              | 2         | 9          | Matured        | TO-220F |
| P2N60M      | 600          | 5              | 2         | 9          | Matured        | TO-220  |
| D4N60M      | 600          | 2.5            | 4         | 17         | Matured        | TO-252  |
| F4N60M      | 600          | 2.5            | 4         | 16         | Matured        | TO-220F |
| P4N60M      | 600          | 2.5            | 4         | 16         | Matured        | TO-220  |
| F5N60M      | 600          | 2.5            | 4.5       | 16         | Matured        | TO-220F |
| P5N60M      | 600          | 2.5            | 4.5       | 16         | Matured        | TO-220  |
| F7N60M      | 600          | 1.3            | 7         | 29         | Matured        | TO-220F |
| P7N60M      | 600          | 1.3            | 7         | 29         | Matured        | TO-220  |
| F8N60M      | 600          | 1.2            | 7.5       | 29         | Matured        | TO-220F |
| P8N60M      | 600          | 1.2            | 7.5       | 29         | Matured        | TO-220  |



|         |     |      |     |    |           |         |
|---------|-----|------|-----|----|-----------|---------|
| F10N60M | 600 | 0.75 | 10  | 48 | Matured   | TO-220F |
| P10N60M | 600 | 0.75 | 10  | 48 | Matured   | TO-220  |
| F12N60M | 600 | 0.65 | 12  | 52 | Matured   | TO-220F |
| P12N60M | 600 | 0.65 | 12  | 52 | Matured   | TO-220  |
| A20N60M | 600 | 0.32 | 20  |    | Developed | TO-3P   |
| F5N65M  | 650 | 3    | 4.5 | 16 | Matured   | TO-220F |
| P5N65M  | 650 | 3    | 4.5 | 16 | Matured   | TO-220  |
| F8N65M  | 650 | 1.6  | 7.5 | 29 | Matured   | TO-220F |
| P8N65M  | 650 | 1.6  | 7.5 | 29 | Matured   | TO-220  |
| F10N65M | 650 | 0.85 | 10  | 48 | Matured   | TO-220F |
| P10N65M | 650 | 0.85 | 10  | 48 | Matured   | TO-220  |
| F12N65M | 650 | 0.75 | 12  | 52 | Matured   | TO-220F |
| P12N65M | 650 | 0.75 | 12  | 52 | Matured   | TO-220  |
| N1N70M  | 700 | 16   | 0.4 | 5  | Matured   | TO-92   |
| F2N70M  | 700 | 7    | 2   | 9  | Matured   | TO-220F |
| P2N70M  | 700 | 7    | 2   | 9  | Matured   | TO-220  |
| D1N80M  | 800 | 18   | 1   |    | Developed | TO-252  |
| U1N80M  | 800 | 18   | 1   |    | Developed | TO-251  |
| F3N80M  | 800 | 5    | 3   | 14 | Matured   | TO-220F |
| F3N80N  | 800 | 5    | 3   | 15 | Matured   | TO-220F |
| P3N80M  | 800 | 5    | 3   | 14 | Matured   | TO-220  |
| P3N80N  | 800 | 5    | 3   | 15 | Matured   | TO-220  |
| F7N80M  | 800 | 2    | 7   | 30 | Matured   | TO-220F |
| P7N80M  | 800 | 2    | 7   | 30 | Matured   | TO-220  |
| A10N80M | 800 | 1.1  | 10  | 45 | Matured   | TO-3P   |
| F6N90M  | 900 | 2.3  | 6   |    | Developed | TO-220F |
| P6N90M  | 900 | 2.3  | 6   |    | Developed | TO-220  |
| A9N90M  | 900 | 1.4  | 9   | 45 | Matured   | TO-3P   |
| K9N90M  | 900 | 1.4  | 9   | 45 | Matured   | TO-247  |
| A11N90M | 900 | 1.1  | 11  |    | Developed | TO-3P   |



| Part Number | BVDSS(V) | ID(A) | RDS(ON)   | Qg(nC) | Package               |
|-------------|----------|-------|-----------|--------|-----------------------|
| 100N03      | 30       | 100   | 0.005(Ω)  | 146nC  | TO-220,TO-251,TO-252  |
| 75N03       | 30       | 75    | 0.007(Ω)  | 48nC   | TO-220                |
| E3205       | 55       | 110   | 0.008(Ω)  | 146nC  | TO-220                |
| 30N06       | 60       | 30    | 0.036(Ω)  | 20nC   | TO-251,TO-252         |
| 50N06A-PF   | 60       | 50    | 0.023(Ω)  | 36nC   | TO-220,TO-220F        |
| 50N06A-ID   | 60       | 50    | 0.023(Ω)  | 30nC   | TO-251,TO-252         |
| 75N75       | 75       | 80    | 0.009(Ω)  | 100nC  | TO-220                |
| 19N10       | 100      | 17    | 0.100(Ω)  | 100nC  | TO-220,TO-252         |
| E3710       | 100      | 57    | 0.023(Ω)  | 100nC  | TO-220                |
| E640        | 200      | 18    | 0.180(Ω)  | 20nC   | TO-220                |
| E630        | 200      | 10    | 0.400(Ω)  | 20nC   | TO-220,TO-220F        |
| E634        | 250      | 9     | 0.450(Ω)  | 20nC   | TO-220,TO-220F        |
| E740        | 400      | 10    | 0.550(Ω)  | 36nC   | TO-220                |
| E730        | 400      | 6.5   | 1.000(Ω)  | 32nC   | TO-220                |
| 13N50       | 500      | 13    | 0.480(Ω)  | 32nC   | TO-220F               |
| 20N50       | 500      | 20    | 0.270(Ω)  | 80nC   | TO-3P                 |
| 840A        | 500      | 8.5   | 0.850(Ω)  | 35nC   | TO-220                |
| 830A        | 500      | 5.5   | 1.500(Ω)  | 19nC   | TO-220,TO-220F        |
| 4N60V       | 600      | 4     | 2.500(Ω)  | 25nC   | TO-251                |
| 6N65        | 600      | 6     | 1.500(Ω)  | 20nC   | TO-220F,TO-251,TO-252 |
| 2N60-ID     | 600      | 2     | 5.000(Ω)  | 15nC   | TO-251,TO-252         |
| 226N        | 600      | 4     | 2.300(Ω)  | 18nC   | TO-251,TO-252         |
| 20N60       | 600      | 20    | 0.300(Ω)  | 80nC   | TO-3P                 |
| 1N60L       | 600      | 0.3   | 23.000(Ω) | 4.5nC  | TO-92                 |
| 1N60C       | 600      | 1     | 9.000(Ω)  | 6nC    | TO-92,TO-251,TO-252   |
| 12N60       | 600      | 12    | 0.700(Ω)  | 56nC   | TO-220,TO-220F        |
| 10N60       | 600      | 10    | 0.750(Ω)  | 37nC   | TO-220,TO-220F        |
| 8N60        | 600      | 7.5   | 1.300(Ω)  | 36nC   | TO-220,TO-220F        |
| 7N60A       | 600      | 7     | 1.300(Ω)  | 38nC   | TO-220,TO-220F        |
| 4N60A       | 600      | 4     | 2.200(Ω)  | 25nC   | TO-220,TO-220F        |
| 2N60-PF     | 600      | 2     | 5.000(Ω)  | 8nC    | TO-220,TO-220F,TO-126 |
| 1N60        | 600      | 1     | 12.000(Ω) | 6nC    | TO-126,TO-251,TO-252  |
| 1N60A       | 600      | 0.5   | 15.000(Ω) | 6nC    | TO-92                 |
| 4N65-ID     | 650      | 4     | 2.600(Ω)  | 19nC   | TO-251,TO-252         |
| 12N65       | 650      | 12    | 0.800(Ω)  | 56nC   | TO-220,TO-220F        |
| 10N65       | 650      | 10    | 1.100(Ω)  | 47nC   | TO-220,TO-220F        |
| 7N65        | 650      | 7     | 1.320(Ω)  | 35nC   | TO-220,TO-220F        |
| 4N65-PF     | 650      | 4     | 2.600(Ω)  | 18nC   | TO-220,TO-220F        |
| 2N65        | 650      | 2     | 5.000(Ω)  | 8nC    | TO-220,TO-220F        |
| 2N70        | 700      | 2     | 7.000(Ω)  | 5nC    | TO-251,TO-252         |
| 1N70C       | 700      | 0.8   | 16.000(Ω) | 6nC    | TO-92                 |
| 1N70A       | 700      | 0.5   | 15.000(Ω) | 5nC    | TO-92                 |
| 5N80        | 800      | 5     | 1.800(Ω)  | 26nC   | TO-220F               |
| 3N80A       | 800      | 3     | 4.500(Ω)  | 26nC   | TO-220,TO-220F,TO-252 |
| 1N80A       | 800      | 1     | 16.500(Ω) | 7nC    | TO-92                 |
| 7N90        | 900      | 7     | 1.800(Ω)  | 26nC   | TO-220F               |
| 9N90        | 900      | 9     | 1.450(Ω)  | 60nC   | TO-3P                 |

| Part Number | Package  | Product Type | Applications      | Typical parameters |         |            |
|-------------|----------|--------------|-------------------|--------------------|---------|------------|
|             |          |              |                   | I <sub>D</sub> (A) | VDSS(V) | RDS(on)(Ω) |
| 90N03B4     | TO-252   | MOS-type     | Computer mothe... | 90                 | 25      | 0.0048     |
| 3205B8      | TO-220AB | MOS-type     | UPS               | 110                | 55      | 0.007      |
| Z44V        | TO-220AB | MOS-type     | UPS/Ballast       | 55                 | 60      | 0.015      |
| 75N75B8H    | TO-220AB | MOS-type     | Electric Vehic... | 75                 | 75      | 0.0102     |
| 3410B3      | TO-251   | MOS-type     | Charging Contr... | 17                 | 100     | 0.075      |
| 540B8       | TO-220AB | MOS-type     | UPS/Inverter      | 33                 | 100     | 0.043      |
| 3710B8      | TO-220AB | MOS-type     | UPS/Inverter      | 57                 | 100     | 0.023      |
| 730A8H      | TO-220AB | MOS-type     | Electronic Bal... | 6                  | 400     | 0.88       |
| 740A8H      | TO-220AB | MOS-type     | Electronic Bal... | 10                 | 400     | 0.4        |
| 3N50B3      | TO-251   | MOS-type     | Electronic Bal... | 3                  | 500     | 2.8        |
| 830A8H      | TO-220AB | MOS-type     | Electronic Bal... | 5                  | 500     | 1.2        |
| 840A8H      | TO-220AB | MOS-type     | Electronic Bal... | 8                  | 500     | 0.6        |
| 13N50A8H    | TO-220AB | MOS-type     | Electronic Bal... | 13                 | 500     | 0.35       |
| 1N60A1H     | TO-92    | MOS-type     | Mobile phone c... | 0.7                | 600     | 12         |
| 1N60C1H     | TO-92    | MOS-type     | Mobile phone c... | 1                  | 600     | 9          |
| 1N60C1HD    | TO-92    | MOS-type     | Mobile phone c... | 1.5                | 600     | 7          |
| 2N60A3H     | TO-251   | MOS-type     | LED lights/Bal... | 2                  | 600     | 4          |
| 4N60A8HD    | TO-220AB | MOS-type     | LED lights/Bal... | 4                  | 600     | 1.9        |
| 5N60A8H     | TO-220AB | MOS-type     | LED lights/Bal... | 5                  | 600     | 1.4        |
| 7N60FA9HD   | TO-220F  | MOS-type     | Electric Car C... | 7                  | 600     | 1.1        |
| 8N60A8H     | TO-220AB | MOS-type     | Electric Car C... | 8                  | 600     | 0.9        |
| 10N60A8HD   | TO-220AB | MOS-type     | Electric Car C... | 10                 | 600     | 0.63       |
| 12N60A8HD   | TO-220AB | MOS-type     | Electric Car C... | 12                 | 600     | 0.55       |
| 20N60ANH    | TO-3P(N) | MOS-type     | Computer power... | 18                 | 600     | 0.35       |
| 1N80A1H     | TO-92    | MOS-type     | Mobile phone c... | 1                  | 800     | 12         |

| Part Number |              | Package     | Configuration                    | RDS(on) TYP/mΩ                     | RDS(on) MAX/mΩ                   | ESD   | Application                     |
|-------------|--------------|-------------|----------------------------------|------------------------------------|----------------------------------|-------|---------------------------------|
| 20V         | 9028DNJ-4    | GEM2928     | Dual NMOS                        | 24V/6A/ 16mΩ (at VGS=4.5V)         | 24V/6A/ 22mΩ(at VGS=4.5V)        | √     | Li-battery cell protect circuit |
|             | 9028DNJ      | GEM2928     | Dual NMOS                        | 20V/6A/ 16mΩ (at VGS=4.5V)         | 20V/6A/ 22mΩ (at VGS=4.5V)       | √     |                                 |
|             | 9028DNJ-A    | GEM2928     | Dual NMOS                        | 20V/6A/ 14.5mΩ (at VGS=4.5V)       | 20V/6A/ 22mΩ (at VGS=4.5V)       | √     |                                 |
|             | 9028DNJ-B    | GEM2928     | Dual NMOS                        | 20V/6A/ 16mΩ (at VGS=4.5V)         | 20V/6A/ 22mΩ (at VGS=4.5V)       | √     |                                 |
|             | 9028DNJ-AB   | GEM2928     | Dual NMOS                        | 20V/6A/16mΩ (at VGS=4.5V)          | 20V/6A/ 22mΩ (at VGS=4.5V)       | √     |                                 |
|             | 9028DNJ-F    | GEM2928     | Dual NMOS                        | 20V/6A/16mΩ(at VGS=4.5V)           | 20V/6A/22mΩ(at VGS=4.5V)         | √     |                                 |
|             | 9028DND-A    | DFN3*3-8L   | Dual NMOS                        | 20V/6A/ 14mΩ(at VGS=4.5V)          | 20V/6A/ 22mΩ(at VGS=4.5V)        | √     |                                 |
|             | 9028DND-B    | DFN3*3-8L   | Dual NMOS                        | 20V/6A/14mΩ(at VGS=4.5V)           | 20V/6A/22mΩ(at VGS=4.5V)         | √     |                                 |
|             | 9028DND-GE-F | DFN2*5-6J   | Dual NMOS                        | 20V/6A/14.5mΩ(at VGS=4.5V)         | 20V/6A/22mΩ(at VGS=4.5V)         | √     |                                 |
|             | 9028DND-GE   | DFN2*5-6J   | Dual NMOS                        | 24V/6A/15mΩ(at VGS=4.5V)           | 24V/6A/19.5mΩ(at VGS=4.5V)       | √     |                                 |
|             | 9028DNT      | TSSOP8      | Dual NMOS                        | 20V/6A/ 16mΩ(at VGS=4.5V)          | 20V/6A/ 22mΩ(at VGS=4.5V)        | √     |                                 |
|             | 8205Y        | SOT23-6     | Dual NMOS                        | 20V/6A/ 19mΩ(at VGS=4.5V)          | 20V/6A/ 22mΩ(at VGS=4.5V)        | X     |                                 |
|             | 8205E        | SOT23-6     | Dual NMOS                        | 20V/6A/ 17mΩ(at VGS=4.5V)          | 20V/6A/ 22mΩ(at VGS=4.5V)        | √     |                                 |
|             | 9024SPD-M    | DFN3*1.8-8L | Single PMOS                      | - 20V/ - 3.5A/73mΩ(at VGS=4.5V)    | - 20V/ - 3.5A/110mΩ(at VGS=4.5V) | X     | Mobile Phone                    |
| 9024SPD-MS  | DFN2*2-6L-DD | Single PMOS | - 20V/ - 3A/85mΩ(at VGS=4.5V)    | - 20V/ - 3A/110mΩ(at VGS=4.5V)     | X                                |       |                                 |
| 9024DPD-MS  | DFN2*2-6L-DD | Single PMOS | - 20V/ - 3A/75mΩ(at VGS=4.5V)    | - 20V/ - 3A/90mΩ(at VGS=4.5V)      | X                                |       |                                 |
| 9024SPZ-X   | SOT23-3      | Single PMOS | - 20V/-2A/90mΩ(at VGS=4.5V)      | - 20V/-2A/120mΩ(at VGS=4.5V)       | X                                | MP3/4 |                                 |
| 92301P      | SOT23        | Single PMOS | - 20V/ - 2.8A/ 90mΩ(at VGS=4.5V) | - 20V/ - 2.8A/ 110mΩ (at VGS=4.5V) | X                                |       |                                 |
| 92302N      | SOT23        | Single NMOS | 20V/3A/ 50mΩ(at VGS=4.5V)        | 20V/3A/ 60mΩ(at VGS=4.5V)          | X                                |       |                                 |
| 30V         | 9038DNS-A    | SOP8        | Dual NMOS                        | 30V/8A/17mΩ(at VGS=4.5V)           | 30V/8A/23mΩ(at VGS=4.5V)         | √     | Protect circuit/DVD             |
|             | 9035SNZ-M    | SOT-23-3    | Single NMOS                      | 30V/4A/55mΩ(at VGS=4.5V)           | 30V/4A/ 65mΩ(at VGS=10V)         | X     | Charger                         |
|             | 90306SNS     | SOP8        | Single NMOS                      | 30V/16A/8mΩ(at VGS=4.5V)           | 30V/16A/6.8mΩ(at VGS=10V)        | X     | PC/Driver                       |
|             | 90315SNS     | SOP8        | Single NMOS                      | 30V/11.6A/17mΩ(at VGS=4.5V)        | 30V/11.6A/15mΩ(at VGS=10V)       | X     |                                 |
| 60V         | 90590SNL     | TO-220      | Single NMOS                      | 55V/90A/10mΩ(at VGS=10V)           |                                  | X     | E-bike; E-tool                  |
|             | 92N7002      | SOT-23      | Single NMOS                      | 60V/0.8A/5000mΩ(at VGS=10V)        |                                  | X     | MB                              |
|             | 90660SNN     | TO-3P       | Single NMOS                      | 60V/60A/6mΩ(at VGS=10V)            |                                  | X     |                                 |
|             | 90675SNL     | TO-220      | Single NMOS                      | 60V/60A/7.5mΩ(at VGS=10V)          |                                  | X     |                                 |

|      |          |         |             |                                                     |  |   |                                                                                  |
|------|----------|---------|-------------|-----------------------------------------------------|--|---|----------------------------------------------------------------------------------|
| 75V  | 975NF75  | TO-220  | Single NMOS | 75V/75A/12mΩ(at VGS=10V)                            |  | X |                                                                                  |
|      | 975NF75A | TO-220  | Single NMOS | 75V/75A/10mΩ(at VGS=10V),75V/80A/1010mΩ(at VGS=10V) |  | X |                                                                                  |
|      | 75NF75B  | TO-220  | Single NMOS | 75V/75A/10mΩ(at VGS=10V),75V/80A/1010mΩ(at VGS=10V) |  | X |                                                                                  |
|      | 9081BSPZ | TO-263  | Single PMOS | - 80V/ - 110A/11.2mΩ (at VGS=10V)                   |  | X | Solar Streetlamps                                                                |
| 100V | 1060SNM  | TO-263  | Single NMOS | 100V/60A/ 25mΩ(at VGS=10V)                          |  | X | HID                                                                              |
|      | 1060SNL  | TO-220  | Single NMOS | 100V/60A/ 25mΩ(at VGS=10V)                          |  | X | HID                                                                              |
| 200V | 99N20    | TO-220  | Single NMOS | 200V/9A/0.4Ω(at VGS=10V)                            |  | X | LCD TV                                                                           |
|      | 99N20L   | TO-220F | Single NMOS | 200V/9A/0.4Ω(at VGS=10V)                            |  | X | LCD TV                                                                           |
|      | 918N20   | TO-220  | Single NMOS | 200V/18A/0.15Ω(at VGS=10V)                          |  | X |                                                                                  |
|      | 918N20L  | TO-220F | Single NMOS | 200V/18A/0.15Ω(at VGS=10V)                          |  | X |                                                                                  |
| 400V | 96N40    | TO-220  | Single NMOS | 400V/6A/0.83Ω(at VGS=10V)                           |  | X | Electronic ballast, energy-saving lamp, UPS                                      |
|      | 96N40L   | TO-220F | Single NMOS | 400V/6A/0.83Ω(at VGS=10V)                           |  | X | Electronic ballast, energy-saving lamp, UPS                                      |
|      | 910N40   | TO-220  | Single NMOS | 400V/10A/0.5Ω(at VGS=10V)                           |  | X |                                                                                  |
|      | 910N40L  | TO-220F | Single NMOS | 400V/10A/0.5Ω(at VGS=10V)                           |  | X |                                                                                  |
| 500V | 95N50L   | TO-252  | Single NMOS | 500V/5A/1.5Ω(at VGS=10V)                            |  | X | Adapter , LCD TV, PC power supply, UPS                                           |
|      | 95N50T   | TO-220  | Single NMOS | 500V/5A/1.5Ω(at VGS=10V)                            |  | X | Adapter , LCD TV, PC power supply, UPS                                           |
|      | 99N50L   | TO-220  | Single NMOS | 500V/9A/0.85Ω(at VGS=10V)                           |  | X |                                                                                  |
| 600V | 91N60K   | TO-92   | Single NMOS | 600V/0.3A/11.5Ω(at VGS=10V)                         |  | X | Adapter, Charger, electronic ballast, energy-saving lamp, LCD TV,PC power supply |
|      | 91N60R   | TO-251  | Single NMOS | 600V/0.3A/11.5Ω(at VGS=10V)                         |  | X | Adapter, Charger, electronic ballast, energy-saving lamp, LCD TV,PC power supply |
|      | 91N60K   | TO-92   | Single NMOS | 600V/0.3A/11.5Ω(at VGS=10V)                         |  | X | Adapter, Charger, electronic ballast, energy-saving lamp, LCD TV,PC power supply |
|      | 91N60R   | TO-251  | Single NMOS | 600V/0.3A/11.5Ω(at VGS=10V)                         |  | X | Adapter, Charger, electronic ballast, energy-saving lamp, LCD TV,PC power supply |
|      | 92N60R   | TO-251  | Single NMOS | 600V/2A/4.2Ω(at VGS=10V)                            |  | X |                                                                                  |
|      | 92N60T   | TO-252  | Single NMOS | 600V/2A/4.2Ω(at VGS=10V)                            |  | X |                                                                                  |
|      | 92N60    | TO-220  | Single NMOS | 600V/2A/4.2Ω(at VGS=10V)                            |  | X |                                                                                  |
|      | 92N60L   | TO-220F | Single NMOS | 600V/2A/4.2Ω(at VGS=10V)                            |  | X |                                                                                  |
|      | 94N60    | TO-220  | Single NMOS | 600V/4A/2.2Ω(at VGS=10V)                            |  | X |                                                                                  |
|      | 94N60L   | TO-220F | Single NMOS | 600V/4A/2.2Ω(at VGS=10V)                            |  | X |                                                                                  |

|         |         |             |                            |  |   |  |
|---------|---------|-------------|----------------------------|--|---|--|
| 96N60   | TO-220  | Single NMOS | 600V/6A/2.1Ω(at VGS=10V)   |  | X |  |
| 96N60L  | TO-220F | Single NMOS | 600V/6A/2.1Ω(at VGS=10V)   |  | X |  |
| 98N60   | TO-220  | Single NMOS | 600V/8A/1.2Ω(at VGS=10V)   |  | X |  |
| 98N60L  | TO-220F | Single NMOS | 600V/8A/1.2Ω(at VGS=10V)   |  | X |  |
| 910N60  | TO-22   | Single NMOS | 600V/10A/0.73Ω(at VGS=10V) |  | X |  |
| 910N60L | TO-220F | Single NMOS | 600V/10A/0.73Ω(at VGS=10V) |  | X |  |
| 912N60  | TO-220  | Single NMOS | 600V/12A/0.65Ω(at VGS=10V) |  | X |  |
| 912N60L | TO-220F | Single NMOS | 600V/12A/0.65Ω(at VGS=10V) |  | X |  |



| Part No.   | Packing Code | Status | VDS (V) | VGS (V) | ID (A) | RDS(ON) (mΩ) (max) | Qg (nC) | Type   |
|------------|--------------|--------|---------|---------|--------|--------------------|---------|--------|
| EM3900DCX6 | RF           | Active | 20      | 8       | 2      | -                  | 3.69    | Dual N |
| EM4410DCS  | RL           | Active | 25      | 20      | 25     | 15                 | 15      | Dual N |
| EM4416DCS  | RL           | Active | 30      | 20      | 11     | 15                 | 7.7     | Dual N |
| EM4936DCS  | RL           | Active | 30      | 20      | 5.9    | 36                 | 13      | Dual N |
| EM4944DCS  | RL           | Active | 30      | 20      | 12.2   | 13.2               | 26      | Dual N |
| EM4946DCS  | RL           | Active | 60      | 20      | 4.5    | 55                 | 19      | Dual N |
| EM6866SDCA | RV           | Active | 20      | 12      | 6      | -                  | 5       | Dual N |
| EM6968SDCA | RV           | Active | 20      | 12      | 6.5    | -                  | 15      | Dual N |
| EM9426DCS  | RL           | Active | 20      | 12      | 9.4    | 14                 | 4.65    | Dual N |
| EM9428DCS  | RL           | Active | 20      | 8       | 6      | -                  | 11      | Dual N |
| EM9926DCS  | RL           | Active | 20      | 12      | 6      | -                  | 4.86    | Dual N |
| EM3911DCX6 | RF           | Active | -20     | 8       | -2.2   | -                  | 15.23   | Dual P |
| EM4433DCS  | RL           | Active | -20     | 8       | -3.9   | -                  | 15.23   | Dual P |
| EM4925DCS  | RL           | Active | -30     | 20      | -7.1   | 25                 | 33      | Dual P |
| EM4953DCS  | RL           | Active | -30     | 20      | -4.9   | 60                 | 28      | Dual P |
| EM6981DCA  | RV           | Active | -20     | 8       | -5     | -                  | 12.5    | Dual P |
| EM9434DCS  | RL           | Active | -20     | 8       | -6.4   | -                  | 12.5    | Dual P |
| EM9933DCS  | RL           | Active | -20     | 12      | -4.7   | -                  | 6       | Dual P |
| EM10N60CI  | C0           | Active | 600     | 30      | 10     | 0.75Ω              | 45.8    | N      |
| EM10N80CI  | C0           | Active | 800     | 30      | 9.5    | 1.05Ω              | 53      | N      |
| EM10N80CZ  | C0           | Active | 800     | 30      | 9.5    | 1.05Ω              | 53      | N      |
| EM110N06CZ | C0           | Active |         |         |        |                    |         | N      |
| EM12N65CI  | C0           | Active | 650     | 30      | 12     | 0.8Ω               | 41      | N      |
| EM13N50CI  | C0           | Active | 500     | 30      | 13     | 0.48Ω              | 36      | N      |
| EM13N50CN  | C0           | Active | 500     | 30      | 13     | 0.48Ω              | 36      | N      |
| EM15N50CN  | C0           | Active | 500     | 30      | 14.2   | 0.44Ω              | 39      | N      |
| EM1N45CT   | A3 / B0      | Active |         |         |        | 4.25Ω              |         | N      |
| EM1N45CW   | RP           | Active |         |         |        | 4.25Ω              |         | N      |
| EM1N45DCS  | RL           | Active |         |         |        | 4.25Ω              |         | N      |
| EM1N50CT   | A3 / B0      | Active |         |         |        | 5.5Ω               |         | N      |
| EM1N80CW   | RP           | Active | 800     | 30      | 0.3    | 21.6Ω              | 5       | N      |
| EM1N80SCT  | A3 / B0      | Active | 800     | 30      | 0.3    | 21.6Ω              | 5       | N      |
| EM1NB60CH  | C5G          | Active | 600     | 30      | 1      | 10Ω                | 6.1     | N      |
| EM1NB60CP  | ROG          | Active | 600     | 30      | 1      | 10Ω                | 6.1     | N      |
| EM1NB60CW  | RPG          | Active | 600     | 30      | 1      | 10Ω                | 6.1     | N      |
| EM1NB60SCT | A3 / B0      | Active | 600     | 30      | 0.5    | 10Ω                | 6.1     | N      |
| EM20N50CN  | C0           | Active | 500     | 30      | 20     | 0.3Ω               | 54      | N      |
| EM2302CX   | RF           | Active | 20      | 8       | 2.8    | -                  | 5.4     | N      |
| EM2306CX   | RF           | Active | 30      | 20      | 3.5    | -                  | 4.2     | N      |
| EM2310CX   | RF           | Active | 20      | 12      | 4      | -                  | 8.6     | N      |
| EM2312CX   | RF           | Active | 20      | 8       | 4.9    | -                  | 11      | N      |
| EM2314CX   | RF           | Active | 20      | 12      | 4.9    | -                  | 11      | N      |
| EM2318CX   | RF           | Active | 40      | 20      | 3.9    | 45                 | 10      | N      |
| EM2328CX   | RF           | Active | 100     | 20      | 1.5    | 250                | 11.1    | N      |

|                   |         |        |     |    |      |       |      |   |
|-------------------|---------|--------|-----|----|------|-------|------|---|
| EM23N50CN         | C0      | Active | 500 | 30 | 23   | 0.22Ω | 66   | N |
| EM25N03CP         | RO      | Active | 25  | 20 | 25   | 14    | 14.7 | N |
| EM2N60SCW         | RP      | Active | 600 | 30 | 0.6  | 5Ω    | 13   | N |
| EM2N7000KCT       | A3 / B0 | Active | 60  | 20 | 0.3  | 5Ω    | 0.4  | N |
| EM2N7002KCU       | RF      | Active | 60  | 20 | 0.3  | 2Ω    | 0.4  | N |
| EM2N7002KCX       | RF      | Active | 60  | 20 | 0.3  | 2Ω    | 0.4  | N |
| EM2N7002KDCU<br>6 | RF      | Active | 60  | 20 | 0.3  | 2Ω    | 0.4  | N |
| EM2N70CH          | C5      | Active | 700 | 30 | 2    | 6.5Ω  | 9.5  | N |
| EM2N70CP          | RO      | Active | 700 | 30 | 2    | 6.5Ω  | 9.5  | N |
| EM2N70CZ          | C0      | Active | 700 | 30 | 2    | 6.5Ω  | 9.5  | N |
| EM2NB60CH         | C5      | Active | 600 | 30 | 2    | 4.4Ω  | 9.4  | N |
| EM2NB60CI         | C0      | Active | 600 | 30 | 2    | 4.4Ω  | 9.4  | N |
| EM2NB60CP         | RO      | Active | 600 | 30 | 2    | 4.4Ω  | 9.4  | N |
| EM2NB60CZ         | C0      | Active | 600 | 30 | 2    | 4.4Ω  | 9.4  | N |
| EM301K12CQ        | RV / RK | Active | -20 | 12 | -4.5 | -     | 5.2  | N |
| EM3400CX          | RF      | Active | 30  | 12 | 5.8  | 28    | 9.7  | N |
| EM3404CX          | RF      | Active | 30  | 20 | 5.8  | 30    | 4.52 | N |
| EM3424CX6         | RF      | Active | 30  | 20 | 6.7  | 30    | 4.52 | N |
| EM3442CX6         | RF      | Active | 20  | 8  | 4    | -     | 5.4  | N |
| EM3446CX6         | RF      | Active | 20  | 12 | 5.3  | -     | 12.5 | N |
| EM3454CX6         | RF      | Active | 30  | 20 | 4.5  | 60    | 4.2  | N |
| EM3460CX6         | RF      | Active | 20  | 12 | 6    | -     | 15   | N |
| EM3462CX6         | RF      | Active | 20  | 8  | 5    | -     | 11   | N |
| EM35N03CP         | RO      | Active | 25  | 20 | 35   | 8.5   | 10   | N |
| EM3N80CH          | C5G     | Active | 800 | 30 | 3    | 4.2Ω  | 19   | N |
| EM3N80CI          | C0      | Active | 800 | 30 | 3    | 4.2Ω  | 19   | N |
| EM3N80CP          | ROG     | Active | 800 | 30 | 3    | 4.2Ω  | 19   | N |
| EM3N80CZ          | C0      | Active | 800 | 30 | 3    | 4.2Ω  | 19   | N |
| EM3N90CH          | C5G     | Active | 900 | 30 | 2.5  | 5.1Ω  | 17   | N |
| EM3N90CI          | C0      | Active | 900 | 30 | 2.5  | 5.1Ω  | 17   | N |
| EM3N90CP          | ROG     | Active | 900 | 30 | 2.5  | 5.1Ω  | 17   | N |
| EM3N90CZ          | C0      | Active | 900 | 30 | 2.5  | 5.1Ω  | 17   | N |
| EM4404CS          | RL      | Active | 30  | 12 | 8.5  | 30    | 9.7  | N |
| EM4410CS          | RL      | Active | 25  | 20 | 25   | 15    | 14.7 | N |
| EM4414CS          | RL      | Active | 30  | 20 | 8.5  | 26    | 13   | N |
| EM4416CS          | RL      | Active | 30  | 20 | 8.5  | 19    | 19   | N |
| EM4426CS          | RL      | Active | 20  | 12 | 8    | -     | 4.86 | N |
| EM4436CS          | RL      | Active | 60  | 20 | 8    | 36    | 10.5 | N |
| EM4513DCS         | RLG     | Active | 20  | 12 | 6    | -     | 16.3 | N |
| EM4872CS          | RL      | Active | 30  | 20 | 15   | 7.5   | 26   | N |
| EM4886CS          | RL      | Active | 30  | 20 | 13   | 10    | 26   | N |
| EM4N80CI          | C0      | Active | 800 | 30 | 4    | 3Ω    | 20   | N |
| EM4N80CZ          | C0      | Active | 800 | 30 | 4    | 3Ω    | 20   | N |
| EM4N90CI          | C0      | Active | 900 | 30 | 4    | 4Ω    | 25   | N |
| EM4N90CZ          | C0      | Active | 900 | 30 | 4    | 4Ω    | 25   | N |
| EM4NB60CH         | C5      | Active | 600 | 30 | 4    | 2.5Ω  | 14.5 | N |



|           |         |        |     |    |      |       |       |   |
|-----------|---------|--------|-----|----|------|-------|-------|---|
| EM4NB60CI | C0      | Active | 600 | 30 | 4    | 2.5Ω  | 14.5  | N |
| EM4NB60CP | RO      | Active | 600 | 30 | 4    | 2.5Ω  | 14.5  | N |
| EM4NB60CZ | C0      | Active | 600 | 30 | 4    | 2.5Ω  | 14.5  | N |
| EM4ND50CP | RO      | Active | 500 | 30 | 3    | 2.7Ω  | 12    | N |
| EM55N03CP | RO      | Active | 25  | 20 | 55   | 9     | 26    | N |
| EM5ND50CH | C5      | Active | 500 | 30 | 4.4  | 1.5Ω  | 20    | N |
| EM5ND50CP | RO      | Active | 500 | 30 | 4.4  | 1.5Ω  | 20    | N |
| EM60N06CP | ROG     | Active | 60  | 20 | 62   | 16    | 57    | N |
| EM6N50CH  | C5      | Active | 500 | 30 | 5.6  | 1.4Ω  | 25    | N |
| EM6N50CI  | C0      | Active | 500 | 30 | 5.6  | 1.4Ω  | 25    | N |
| EM6N50CP  | RO      | Active | 500 | 30 | 5.6  | 1.4Ω  | 25    | N |
| EM7401CS  | RL      | Active | 20  | 12 | 8    | -     | 15    | N |
| EM75N03CP | RO      | Active | 25  | 20 | 60   | 4.5   | 36.3  | N |
| EM7N60CZ  | C0      | Active | 600 | 30 | 7    | 1.2Ω  | 28    | N |
| EM7N65CI  | C0      | Active | 650 | 30 | 6.4  | 1.2Ω  | 32    | N |
| EM7N65CZ  | C0      | Active | 650 | 30 | 6.4  | 1.2Ω  | 32    | N |
| EM7N90CI  | C0      | Active | 900 | 30 | 7    | 1.9Ω  | 49    | N |
| EM7N90CZ  | C0      | Active | 900 | 30 | 7    | 1.9Ω  | 49    | N |
| EM802CQ   | RV / RK | Active | 20  | 12 | 6    | -     | 15    | N |
| EM8N70CI  | C0      | Active | 700 | 30 | 8    | 0.9Ω  | 32    | N |
| EM8N80CI  | C0      | Active | 800 | 30 | 8    | 1.4Ω  | 41    | N |
| EM8N80CZ  | C0      | Active | 800 | 30 | 8    | 1.4Ω  | 41    | N |
| EM9428CS  | RL      | Active | 20  | 8  | 6    | -     | 11    | N |
| EM9N90CI  | C0      | Active | 900 | 30 | 9    | 1.4Ω  | 65    | N |
| EM9N90CN  | C0      | Active | 900 | 30 | 9.5  | 1.4Ω  | 65    | N |
| EM9N90CZ  | C0      | Active | 900 | 30 | 9    | 1.4Ω  | 65    | N |
| EM9NB50CI | C0      | Active | 500 | 30 | 9    | 0.85Ω | 44    | N |
| EM9NB50CZ | C0      | Active | 500 | 30 | 9    | 0.85Ω | 63    | N |
| EM2301BCX | RF      | Active | -20 | 8  | -2.8 | -     | 5.8   | P |
| EM2301CX  | RF      | Active | -20 | 8  | -2.8 | -     | 5.4   | P |
| EM2303CX  | RF      | Active | -30 | 20 | -1.3 | 180   | 10    | P |
| EM2305CX  | RF      | Active | -20 | 8  | -3.2 | -     | 10    | P |
| EM2307CX  | RF      | Active | -30 | 20 | -3   | 95    | 10    | P |
| EM2311CX  | RF      | Active | -20 | 8  | -4   | -     | 6     | P |
| EM2313CX  | RF      | Active | -20 | 12 | -3.3 | -     | 6     | P |
| EM2323CX  | RF      | Active | -20 | 8  | -4.7 | -     | 12.5  | P |
| EM3401CX  | RF      | Active | -30 | 20 | -3   | 60    | 9.52  | P |
| EM3433CX6 | RF      | Active | -20 | 8  | -5.6 | -     | 12.5  | P |
| EM3441CX6 | RF      | Active | -20 | 8  | -3.3 | -     | 5.8   | P |
| EM3443CX6 | RF      | Active | -20 | 12 | -4.7 | -     | 6     | P |
| EM3455CX6 | RF      | Active | -30 | 20 | -3.5 | -     | 10    | P |
| EM3457CX6 | RF      | Active | -30 | 20 | -5   | 60    | 9.52  | P |
| EM3481CX6 | RF      | Active | -30 | 20 | -5.3 | 48    | 18.09 | P |
| EM4425CS  | RL      | Active | -30 | 20 | -11  | 14    | 64    | P |
| EM4431CS  | RL      | Active | -30 | 20 | -5.8 | 40    | 18.09 | P |
| EM4433CS  | RL      | Active | -20 | 8  | -3.9 | -     | 15.23 | P |
| EM4435CS  | RL      | Active | -30 | 20 | -9.1 | 21    | 33    | P |

|                  |     |        |     |    |      |     |      |   |
|------------------|-----|--------|-----|----|------|-----|------|---|
| <b>EM4513DCS</b> | RLG | Active | -20 | 12 | -6   | -   | 67.8 | P |
| <b>EM9409CS</b>  | RL  | Active | -60 | 20 | -3.5 | 155 | 6    | P |
| <b>EM9433CS</b>  | RL  | Active | -20 | 12 | -5.4 | -   | 6    | P |
| <b>EM9434CS</b>  | RL  | Active | -20 | 8  | -6.4 | -   | 12.5 | P |
| <b>EM9435CS</b>  | RL  | Active | -30 | 20 | -5.3 | 60  | 9.52 | P |



| Part Number              | Voltage | ID    | RDSON(MAX ) | Package                                                                         |
|--------------------------|---------|-------|-------------|---------------------------------------------------------------------------------|
| NDF10N60                 | 600V    | 10A   | 1.0Ω        | TO-220-3L; TO-220F-3L                                                           |
| NDF10N65                 | 650V    | 10A   | 1.0Ω        | TO-220-3L; TO-220F-3L                                                           |
| NDF12N60                 | 600V    | 12A   | 0.8Ω        | TO-220-3L; TO-220F-3L                                                           |
| NDF12N65                 | 650V    | 12A   | 0.8Ω        | TO-220F-3L; TO-220-3L;                                                          |
| NDF13N50                 | 500V    | 13A   | 0.52Ω       | TO-220F-3L; TO-220-3L                                                           |
| NDF15NE50                | 500V    | 15A   | 0.4Ω        | TO-3PN                                                                          |
| NDF1N60                  | 600V    | 1A    | 11Ω         | TO-251D-3L; TO-220-3L; TO-92-3L; TO-252-2L                                      |
| NDF2N60                  | 600V    | 2A    | 4.6Ω        | TO-251-3L; TO-251D-3L; TO-251J-3L; TO-252-2L; TO-220-3L; TO-220F-3L             |
| NDF2N65M/F/T             | 650V    | 2.0A  | 5.6Ω        | TO-251-3L; TO-220F-3L; TO-220-3L                                                |
| NDF2N70                  | 700V    | 2A    | 6.5Ω        | TO-251-3L; TO-251D-3L; TO-220F-3L; TO-220-3L                                    |
| NDF3N80                  | 800V    | 3A    | 4.0Ω        | TO-220F-3L; TO-220-3L;                                                          |
| NDF4N60                  | 600V    | 4A    | 2.4Ω        | TO-252-2L; TO-220F-3L; TO-220-3L                                                |
| NDF4N65                  | 650V    | 4A    | 3.0Ω        | TO-220-3L; TO-220F-3L; TO-251-3L; TO-251D-3L                                    |
| NDF5N60                  | 600V    | 5A    | 2.1Ω        | TO-220F-3L; TO-220-3L                                                           |
| NDF5N60A                 | 600V    | 5.0A  | 2.4Ω        | TO-220-3L; TO-220F-3L                                                           |
| NDF730                   | 400V    | 5.5A  | 0.95Ω       | TO-220-3L; TO-220F-3L; TO-252-2L; TO-251D-3L                                    |
| NDF740                   | 400V    | 10A   | 0.60Ω       | TO-220-3L; TO-220F-3L; TO-263-2L                                                |
| NDF7N60                  | 600V    | 7A    | 1.2Ω        | TO-220F-3L; TO-220-3L                                                           |
| NDF7N65                  | 650V    | 7.0A  | 1.4Ω        | TO-220-3L; TO-220F-3L                                                           |
| NDF7N80                  | 800V    | 7A    | 1.55Ω       | TO-220-3L; TO-220F-3L                                                           |
| NDF830                   | 500V    | 4.5A  | 1.5Ω        | TO-220-3L; TO-220F-3L; TO-252-2L                                                |
| NDF840                   | 500V    | 8A    | 0.9Ω        | TO-220-3L; TO-220F-3L                                                           |
| NDF8N60                  | 600V    | 8A    | 1.2Ω        | TO-220F-3L; TO-220-3L                                                           |
| NDF8N80                  | 800V    | 8A    | 1.55Ω       | TO-220-3L; TO-220F-3L                                                           |
| NDF9N65                  | 650V    | 9A    | 1.2Ω        | TO-220-3L; TO-220F-3L                                                           |
| F10N60AT/F               | 600V    | 10A   | 0.75Ω       | TO-220-3L; TO-220F-3L                                                           |
| F10N60T/F/FG/S/K         | 600V    | 10A   | 1.0Ω        | TO-220-3L; TO-220F-3L; TO-263-2L; TO-262-3L                                     |
| F10N65T/F/FG/K           | 650V    | 10.0A | 1.0Ω        | TO-220-3L; TO-220F-3L; TO-262-3L                                                |
| F12N60T/F/FG/S/K         | 600V    | 12A   | 0.75Ω       | TO-220-3L; TO-220F-3L; TO-263-2L; TO-262-3L                                     |
| F12N65T/F/FG/K/S         | 650V    | 12A   | 0.8Ω        | TO-220-3L; TO-220F-3L; TO-262-3L; TO-263-2L                                     |
| F13N50T/F/FG/PN          | 500V    | 13A   | 0.52Ω       | TO-220-3L; TO-220F-3L; TO-3PN                                                   |
| F13N60AF                 | 600V    | 13.0A | 0.45Ω       | TO-220F-3L                                                                      |
| F18N50F/T/PN             | 500V    | 18.0A | 0.31Ω       | TO-220F-3L; TO-220-3L; TO-3PN                                                   |
| F1N60A                   | 600V    | 1.0A  | 8.1Ω        | SOT-223-3L; TO-251D-3L; TO-251J-3L; TO-92-3L; TO-252-2L; TO-220F-3L             |
| F1N60M/MJ/N/B/D          | 600V    | 1.0A  | 11Ω         | TO-251-3L; TO-251D-3L; TO-251J-3L; TO-126-3L; TO-92-3L; TO-252-2L               |
| F1N70                    | 700V    | 1.0A  | 14.5Ω       | TO-251D-3L; TO-92-3L                                                            |
| F20NE50PN                | 500V    | 20A   | 0.27Ω       | TO-3PN                                                                          |
| F20NE60PN                | 600V    | 20A   | 0.35Ω       | TO-3PN                                                                          |
| F2N60M/MJ/N/NF/F/F G/T/D | 600V    | 2.0A  | 4.2Ω        | TO-251D-3L; TO-251J-3L; TO-126-3L; TO-126F-3L; TO-220F-3L; TO-220-3L; TO-252-2L |
| F2N65F/FG/N/MJ           | 650V    | 2.0A  | 4.8Ω        | TO-220F-3L; TO-126-3L; TO-251J-3L                                               |
| F2N70M/MNG/F/D/NF        | 700V    | 2A    | 6.5Ω        | TO-251-3L; TO-251D-3L; TO-251N-3L; TO-220F-3L; TO-252-2L; TO-126F-3L            |
| F2N80AD                  | 800V    | 2.0A  | 2.7Ω        | TO-252-2L                                                                       |
| F3N60AF                  | 600V    | 3.0A  | 2.4Ω        | TO-220F-3L                                                                      |
| F3N80M/MJ/F/D            | 800V    | 3.0A  | 4.8Ω        | TO-251J-3L; TO-251D-3L; TO-220F-3L; TO-220-3L; TO-252-2L                        |
| F4N60D/F/FG/T/K/M/MJ     | 600V    | 4.0A  | 2.4Ω        | TO-220-3L; TO-220F-3L; TO-262-3L; TO-252-2L; TO-251J-3L; TO-251D-3L             |

|                             |      |      |       |                                                                     |
|-----------------------------|------|------|-------|---------------------------------------------------------------------|
| <b>F4N65AT/F/D</b>          | 650V | 4.0A | 2.5Ω  | TO-220-3L; TO-220F-3L; TO-252-2L                                    |
| <b>F4N65T/F/FG/M/MJ/D/K</b> | 650V | 4A   | 2.7Ω  | TO-220-3L; TO-220F-3L; TO-251J-3L; TO-251D-3L; TO-252-2L; TO-262-3L |
| <b>F4N70F</b>               | 700V | 4.0A | 2.7Ω  | TO-220F-3L                                                          |
| <b>F4N80</b>                | 800V | 4A   | 3.80Ω | TO-220F-3L; TO-252-2L                                               |
| <b>F5N60AF</b>              | 600V | 5A   | 1.5Ω  | TO-220F-3L                                                          |
| <b>F5N60T/F/D/MJ</b>        | 600V | 5A   | 2.15Ω | TO-220-3L; TO-220F-3L; TO-252-2L; TO-251J-3L                        |
| <b>F6N60MJ/F/FG/D</b>       | 600V | 6A   | 1.5Ω  | TO-251J-3L; TO-220F-3L; TO-252-2L                                   |
| <b>F6N70F/MJ/MJG</b>        | 600V | 6.0A | 1.7Ω  | TO-220F-3L; TO-251J-3L                                              |
| <b>F7N60T/F/S/K/MJ</b>      | 600V | 7A   | 1.2Ω  | TO-220-3L; TO-220F-3L; TO-263-2L; TO-262-3L; TO-251J-3L             |
| <b>F7N65T/F/FG/K</b>        | 650V | 7.0A | 1.4Ω  | TO-220-3L; TO-220F-3L; TO-262-3L                                    |
| <b>F7N80T/F</b>             | 800V | 7A   | 1.55Ω | TO-220-3L; TO-220F-3L                                               |
| <b>F830T/F/D/MJ</b>         | 500V | 5A   | 1.5Ω  | TO-220-3L; TO-220F-3L; TO-252-2L; TO-251J-3L                        |
| <b>F840T/F/D/S</b>          | 500V | 8A   | 0.90Ω | TO-220-3L; TO-220F-3L; TO-252-2L; TO-263-2L                         |
| <b>F8N60AF</b>              | 600V | 8A   | 1.0Ω  | TO-220F-3L                                                          |
| <b>F8N60T/F</b>             | 600V | 8A   | 1.2Ω  | TO-220-3L; TO-220F-3L                                               |
| <b>F8N65T/F</b>             | 650V | 8.0A | 1.4Ω  | TO-220-3L; TO-220F-3L                                               |
| <b>F8N70F</b>               | 700V | 8.0A | 1.2Ω  | TO-220F-3L                                                          |
| <b>F8N80T/F</b>             | 800V | 8A   | 1.55Ω | TO-220-3L; TO-220F-3L                                               |
| <b>F75N08T</b>              | 75V  | 80A  | 12mΩ  | TO-220-3L                                                           |



| PART NO. | Package Type | PRating | DSVV | ID    | Status |
|----------|--------------|---------|------|-------|--------|
| 2N7002   | SOT-23       | 200mW   | 60V  | 115mA | Active |
| 2N7002DW | SOT-363      | 200mW   | 60V  | 115mA | Active |
| 2N7002K  | SOT-23       | 350mW   | 60V  | 340mA | Active |
| 2N7002KW | SOT-323      | 200mW   | 60V  | 340mA | Active |
| 2N7002T  | SOT-523      | 150mW   | 60V  | 115mA | Active |
| 2N7002W  | SOT-323      | 200mW   | 60V  | 115mA | Active |
| EPC50N06 | TO-220       | 131W    | 60V  | 50A   | Active |
| EPC80N75 | TO-220       | 300W    | 75V  | 80A   | Active |
| EPC90N06 | TO-220       | 200W    | 55V  | 100A  | Active |
| EPK01N6  | TO-92        | 3W      | 600V | 0.3A  | Active |
| EPK02N6  | TO-92        | 30W     | 600V | 1A    | Active |
| SI2301   | SOT-23       | 1.25W   | -20V | -2.8A | Active |
| SI2302   | SOT-23       | 1.25W   | 20V  | 3A    | Active |
| SI2303   | SOT-23       | 0.25W   | -30V | -3A   | Active |
| SI2304   | SOT-23       | 0.25W   | 30V  | 2.5A  | Active |
| SI2321   | SOT-23       | 0.35W   | -20V | -2.9A | Active |
| SI3404   | SOT-23       | 0.35W   | 30V  | 5.8A  | Active |
| UM6K1N   | SOT-363      | 0.15W   | 30V  | 0.1A  | Active |

| Part No.   | Classification                                                       |
|------------|----------------------------------------------------------------------|
| 2N7000     | SMOS FET/ Interface and Switching Application                        |
| 2N7000A    | SMOS FET/ Interface and Switching Application                        |
| 2N7000K    | N Channel MOSFET ESD Protected 2000V                                 |
| 2N7002     | SMOS FET/ Interface and Switching Application                        |
| 2N7002A    | SMOS FET/ Interface and Switching Application                        |
| 2N7002K    | N Channel MOSFET ESD Protected 2000V                                 |
| 2N7002KA   | N Channel MOSFET ESD Protected 2000V                                 |
| K3519PQ-XH | Common-Drain Dual N-Channel Enhancement Mode Field Effect Transistor |
| K3520PQ-XH | Common-Drain Dual N-Channel Enhancement Mode Field Effect Transistor |
| KF10N60F   | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF10N60P   | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF10N65F   | N CHANNEL MOS FIELD                                                  |
| KF10N65P   | N CHANNEL MOS FIELD                                                  |
| KF11N50F   | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF11N50P   | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF12N60F   | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF12N60P   | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF13N50F   | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF13N50P   | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF13N60N   | N CHANNEL MOS FIELD                                                  |
| KF15N50N   | N CHANNEL MOS FIELD                                                  |
| KF16N50F   | N CHANNEL MOS FIELD                                                  |
| KF17N50N   | N CHANNEL MOS FIELD                                                  |
| KF1N60D    | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF1N60I    | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF2N60D    | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF2N60F    | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF2N60I    | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF2N60P    | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF3N40D    | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF3N40I    | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF3N40W    | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF3N50DS   | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF3N50DZ   | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KFN50FS    | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF3N50FZ   | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF3N50IZ   | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF3N60D    | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF3N60F    | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF3N60I    | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF3N60P    | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF3N80F    | High Voltage MOSFETs                                                 |
| KF4N20LD   | N CHANNEL MOS FIELD                                                  |
| KF4N20LI   | N CHANNEL MOS FIELD                                                  |
| KF4N20LW   | N CHANNEL MOS FIELD                                                  |
| KF4N65F    | N CHANNEL MOS FIELD                                                  |
| KF4N65P    | N CHANNEL MOS FIELD                                                  |
| KF50N06P   | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF5N50D    | N CHANNEL MOS FIELD                                                  |
| KF5N50DS   | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF5N50DZ   | N CHANNEL MOS FIELD EFFECT TRANSISTOR                                |
| KF5N50F    | N CHANNEL MOS FIELD                                                  |

|             |                                         |
|-------------|-----------------------------------------|
| KF5N50FS    | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KF5N50FSA   | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KF5N50FZ    | N CHANNEL MOS FIELD                     |
| KF5N50FZA   | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KF5N50IZ    | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KF5N50PZ    | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KF5N53D     | High Voltage MOSFETs                    |
| KF5N53DS    | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KF5N53F     | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KF5N53FS    | N CHANNEL MOS FIELD                     |
| KF5N60D     | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KF5N60F     | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KF5N60FZ    | N CHANNEL MOS FIELD                     |
| KF5N60I     | N CHANNEL MOS FIELD N CHANNEL MOS FIELD |
| KF5N60P     | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KF5N65D     | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KF5N65F     | High Voltage MOSFETs                    |
| KF6N06P     | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KF6N60D     | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KF6N60F     | N CHANNEL MOS FIELD                     |
| KF6N60I     | N CHANNEL MOS FIELD                     |
| KF70N06F    | N CHANNEL MOS FIELD                     |
| KF70N06P    | N CHANNEL MOS FIELD                     |
| KF7N50D     | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KF7N50F     | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KF7N50I     | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KF7N50P     | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KF7N60F     | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KF7N60P     | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KF7N65F     | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KF7N65P     | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KF7N80F     | High Voltage MOSFETs                    |
| KF80N08F    | N-CH MOS Field Effect Transistor        |
| KF80N08P    | N-CH MOS Field Effect Transistor        |
| KF8N60F     | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KF8N60P     | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KF9N25D     | N CHANNEL MOS FIELD                     |
| KF9N25F     | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KF9N25P     | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KF9N50F     | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KF9N50P     | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KHB011N40F1 | N CHANNEL MOS FIELD                     |
| KHB011N40F2 | N CHANNEL MOS FIELD                     |
| KHB011N40P1 | N CHANNEL MOS FIELD                     |
| KHB019N20F1 | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KHB019N20F2 | N CHANNEL MOS FIELD                     |
| KHB019N20P1 | N CHANNEL MOS FIELD                     |
| KHB1D0N60D  | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KHB1D0N60G  | N-Ch Planer MOSFET                      |
| KHB1D0N60I  | N CHANNEL MOS FIELD                     |
| KHB1D0N70G  | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KHB1D2N80D  | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KHB1D2N80I  | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KHB1D9N60D  | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KHB1D9N60I  | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |
| KHB2D0N60F  | N CHANNEL MOS FIELD EFFECT TRANSISTOR   |

|             |                                       |
|-------------|---------------------------------------|
| KHB2D0N60F2 | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB2D0N60P  | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB3D0N70F  | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB3D0N70P  | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB3D0N90F1 | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB3D0N90F2 | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB3D0N90P1 | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB4D0N65F  | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB4D0N65F2 | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB4D0N65P  | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB4D0N80F1 | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB4D0N80F2 | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB4D0N80P1 | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB4D5N60F  | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB4D5N60F2 | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB4D5N60P  | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB5D0N50F  | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB5D0N50F2 | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB5D0N50P  | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB6D0N40F  | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB6D0N40F2 | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB6D0N40P  | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB7D0N65F1 | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB7D0N65F2 | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB7D0N65P1 | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB7D0N80F1 | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB7D0N80P1 | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB7D5N60F1 | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB7D5N60F2 | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB7D5N60P1 | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB8D8N25F  | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB8D8N25F2 | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB8D8N25P  | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB9D0N50F1 | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB9D0N50F2 | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB9D0N50P1 | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB9D0N90F1 | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB9D0N90N1 | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB9D0N90NA | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB9D0N90P1 | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB9D5N20D  | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB9D5N20F  | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB9D5N20F2 | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KHB9D5N20P  | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| KMA010P20Q  | P-Ch Trench MOSFET                    |
| KMA2D0DP20X | Dual P-CH Trench MOSFET               |
| KMA2D4P20SA | P-Ch Trench MOSFET                    |
| KMA2D7DP20X | Dual P-CH Trench MOSFET               |
| KMA2D8P20X  | P-CH Trench MOSFET                    |
| KMA3D0N20SA | Low Voltage MOSFETs                   |
| KMA3D6N20SA | Low Voltage MOSFETs                   |
| KMA3D7P20SA | P-Ch Trench MOSFET                    |
| KMA4D5P20X  | P-CH Trench MOSFET                    |
| KMA4D5P20XA | Low Voltage MOSFETs                   |
| KMA5D2N30XA | P-Ch Trench MOSFET                    |
| KMA5D8DP20Q | Dual P-CH Trench MOSFET               |



|                     |                                  |
|---------------------|----------------------------------|
| <b>KMA6D5P20Q</b>   | P-CH Trench MOSFET               |
| <b>KMA7D0NP30Q</b>  | N and P-CH Trench MOSFET         |
| <b>KMB010P30QA</b>  | P-Ch Trench MOSFET               |
| <b>KMB012N30Q</b>   | N-Ch Trench MOSFET               |
| <b>KMB012N30QA</b>  | N-Ch Trench MOSFET               |
| <b>KMB012N40DA</b>  | General Description              |
| <b>KMB014P30QA</b>  | P-Channel Trench MOSFET          |
| <b>KMB030N30D</b>   | N-Ch Trench MOSFET               |
| <b>KMB035N40DA</b>  | Low Voltage MOSFETs              |
| <b>KMB035N40DB</b>  | N-Ch Trench MOSFET               |
| <b>KMB035N40DC</b>  | N-Ch Trench MOSFET               |
| <b>KMB050N60P</b>   | N-CH MOS Field Effect Transistor |
| <b>KMB050N60PA</b>  | N-CH MOS Field Effect Transistor |
| <b>KMB054N40DA</b>  | N-Ch Trench MOSFET               |
| <b>KMB054N40DB</b>  | N-Ch Trench MOSFET               |
| <b>KMB054N40DC</b>  | N-Ch Trench MOSFET               |
| <b>KMB054N40IA</b>  | N-Ch Trench MOSFET               |
| <b>KMB054N45DA</b>  | N-Ch Trench MOSFET               |
| <b>KMB060N40BA</b>  | N-Ch Trench MOSFET               |
| <b>KMB060N60FA</b>  | N-CH MOS Field Effect Transistor |
| <b>KMB060N60PA</b>  | N-CH MOS Field Effect Transistor |
| <b>KMB080N75PA</b>  | N-CH MOS Field Effect Transistor |
| <b>KMB2D0N60SA</b>  | Low Voltage MOSFETs              |
| <b>KMB3D0P30SA</b>  | P-Channel Trench MOSFET          |
| <b>KMB3D5N40SA</b>  | N-Ch Trench MOSFET               |
| <b>KMB3D5PS30QA</b> | P-Channel Trench MOSFET and SBD  |
| <b>KMB3D9N40TA</b>  | N-Ch Trench MOSFET               |
| <b>KMB4D0N30SA</b>  | Low Voltage MOSFETs              |
| <b>KMB4D5DN60QA</b> | N-Ch Trench MOSFET               |
| <b>KMB4D5NP55Q</b>  | Low Voltage MOSFETs              |
| <b>KMB4D8DN55Q</b>  | N-Ch Trench MOSFET               |
| <b>KMB5D0NP40Q</b>  | N and P-Ch Trench MOSFET         |
| <b>KMB5D5NP30Q</b>  | N and P-Ch Trench MOSFET         |
| <b>KMB6D0DN30QA</b> | Low Voltage MOSFETs              |
| <b>KMB6D0DN30QB</b> | Low Voltage MOSFETs              |
| <b>KMB6D0DN35QA</b> | Dual N-Channel Trench MOSFET     |
| <b>KMB6D0DN35QB</b> | Dual N-Ch Trench MOSFET          |
| <b>KMB6D0NP40QA</b> | N and P-Ch Trench MOSFET         |
| <b>KMB6D0NS30QA</b> | GENERAL DESCRIPTION              |
| <b>KMB6D6N30Q</b>   | N-Ch Trench MOSFET               |
| <b>KMB7D0DN40Q</b>  | Low Voltage MOSFETs              |
| <b>KMB7D0DN40QA</b> | Low Voltage MOSFETs              |
| <b>KMB7D0DN40QB</b> | Low Voltage MOSFETs              |
| <b>KMB7D0N40QA</b>  | Low Voltage MOSFETs              |
| <b>KMB7D0NP30Q</b>  | Low Voltage MOSFETs              |
| <b>KMB7D0NP30QA</b> | N & P channel Trench MOSFET      |
| <b>KMB7D1DP30QA</b> | Low Voltage MOSFETs              |
| <b>KMB7D6NP30Q</b>  | N-Ch Trench MOSFET               |
| <b>KMB8D0P30Q</b>   | P-Ch Trench MOSFET               |
| <b>KMB8D0P30QA</b>  | P-Ch Trench MOSFET               |
| <b>KMB8D2N60QA</b>  | N-Channel Trench MOSFET          |
| <b>KMC6D5CN20CA</b> | Common N-Ch Trench MOSFET        |
| <b>KMC7D0CN20C</b>  | Dual N-Ch Trench MOS             |
| <b>KMC7D0CN20CA</b> | Dual N-Ch Trench MOS             |
| <b>KMD4D5P30XA</b>  | P-CH Trench MOSFET               |
| <b>KMD6D0DN30QA</b> | Low Voltage MOSFETs              |

|                     |                                       |
|---------------------|---------------------------------------|
| <b>KMD6D0DN40Q</b>  | Low Voltage MOSFETs                   |
| <b>KMD7D5P40QA</b>  | P-Ch Trench MOSFET                    |
| <b>KMD9D0DN30QA</b> | Low Voltage MOSFETs                   |
| <b>KML0D3P20V</b>   | P-Ch Trench MOSFET                    |
| <b>KML0D6NP20EA</b> | N and P-Ch Trench MOSFET              |
| <b>KQ9N50P</b>      | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| <b>KTJ6131E</b>     | SMOS FET/ Analog Switch Application   |
| <b>KTJ6164S</b>     | P CHANNEL MOS FIELD EFFECT TRANSISTOR |
| <b>KTK5131E</b>     | SMOS FET/ Analog Switch Application   |
| <b>KTK5131S</b>     | SMOS FET/ Analog Switch Application   |
| <b>KTK5131V</b>     | SMOS FET/ Analog Switch Application   |
| <b>KTK5132E</b>     | SMOS FET/ Analog Switch Application   |
| <b>KTK5132S</b>     | SMOS FET/ Analog Switch Application   |
| <b>KTK5132U</b>     | SMOS FET/ Analog Switch Application   |
| <b>KTK5132V</b>     | SMOS FET/ Analog Switch Application   |
| <b>KTK5133S</b>     | SMOS FET/ Analog Switch Application   |
| <b>KTK5134S</b>     | SMOS FET/ Analog Switch Application   |
| <b>KTK5162S</b>     | SMOS FET/ Analog Switch Application   |
| <b>KTK5164S</b>     | SMOS FET/ Analog Switch Application   |
| <b>KTK5164U</b>     | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| <b>KTK919S</b>      | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| <b>KTK920BT</b>     | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| <b>KTK920BU</b>     | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| <b>KTK920T</b>      | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| <b>KTK920U</b>      | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| <b>KTK921U</b>      | N CHANNEL MOS FIELD EFFECT TRANSISTOR |
| <b>KTK951S</b>      | N CHANNEL JUNCTION FIELD              |
| <b>KU024N06P</b>    | N-ch Trench MOS FET                   |
| <b>KU034N08P</b>    | N-ch Trench MOS FET                   |
| <b>KU035N06P</b>    | N-ch Trench MOS FET                   |
| <b>KU045N10P</b>    | N-ch Trench MOS FET                   |
| <b>KU047N08P</b>    | N-ch Trench MOS FET                   |
| <b>KU048N03D</b>    | N-Ch Trench MOSFET                    |
| <b>KU054N03D</b>    | N-Ch Trench MOSFET                    |
| <b>KU056N03Q</b>    | N-Ch Trench MOSFET                    |
| <b>KU063N03Q</b>    | N-Ch Trench MOSFET                    |
| <b>KU068N03D</b>    | N-Ch Trench MOSFET                    |
| <b>KU082N03Q</b>    | N-Ch Trench MOSFET                    |
| <b>KU086N10F</b>    | General Description                   |
| <b>KU086N10P</b>    | General Description                   |
| <b>KU2303D</b>      | N-Ch Trench MOSFET                    |
| <b>KU2303K</b>      | N-Ch Trench MOSFET                    |
| <b>KU2303Q</b>      | N-Ch Trench MOSFET                    |
| <b>KU2307D</b>      | N-Ch Trench MOSFET                    |
| <b>KU2307K</b>      | N-Ch Trench MOSFET                    |
| <b>KU2307Q</b>      | N-Ch Trench MOSFET                    |
| <b>KU2310Q</b>      | N-Ch Trench MOSFET                    |
| <b>KU2311K</b>      | N-Ch Trench MOSFET                    |
| <b>KU2311Q</b>      | N-Ch Trench MOSFET                    |
| <b>KU2751K</b>      | N-Ch Trench MOSFET                    |
| <b>KU310N10D</b>    | N-ch Trench MOS FET                   |
| <b>KU310N10P</b>    | N-ch Trench MOS FET                   |
| <b>KU390N10P</b>    | N-Ch Trench MOSFET                    |
| <b>EL1N60</b>       | VDMOS power transistor                |
| <b>EL2N60</b>       | VDMOS power transistor                |
| <b>EL3N60</b>       | VDMOS power transistor                |

|                |                        |
|----------------|------------------------|
| <b>EL4N60</b>  | VDMOS power transistor |
| <b>EL5N60</b>  | VDMOS power transistor |
| <b>EL6N60</b>  | VDMOS power transistor |
| <b>EL7N60</b>  | VDMOS power transistor |
| <b>EL8N60</b>  | VDMOS power transistor |
| <b>EL9N60</b>  | VDMOS power transistor |
| <b>EL10N60</b> | VDMOS power transistor |
| <b>EL11N60</b> | VDMOS power transistor |
| <b>EL12N60</b> | VDMOS power transistor |
| <b>EL75N75</b> | VDMOS power transistor |
| <b>EL630</b>   | VDMOS power transistor |
| <b>EL640</b>   | VDMOS power transistor |
| <b>EL730</b>   | VDMOS power transistor |
| <b>EL740</b>   | VDMOS power transistor |
| <b>EL830</b>   | VDMOS power transistor |
| <b>EL840</b>   | VDMOS power transistor |
| <b>EL30N50</b> | VDMOS power transistor |
| <b>FJ201</b>   |                        |
| <b>FJ202</b>   |                        |
| <b>K7002</b>   |                        |
| <b>K2301</b>   |                        |
| <b>K2302</b>   |                        |
| <b>K2312</b>   |                        |
| <b>K9926</b>   |                        |
| <b>K8205</b>   |                        |
| <b>K3055L</b>  |                        |
| <b>K4435A</b>  |                        |
| <b>K9407A</b>  |                        |
| <b>1N60</b>    |                        |
| <b>2N60</b>    |                        |
| <b>4N60</b>    |                        |
| <b>7N60</b>    |                        |
| <b>20N60</b>   |                        |
| <b>K4532</b>   |                        |
| <b>K7002</b>   |                        |
| <b>L5N60</b>   |                        |
| <b>M5N60</b>   |                        |



| Part Number | Volt  | Amp    | W     | Package |
|-------------|-------|--------|-------|---------|
| MBT2222A    | 75V   | 600mA  | 225mW | SOT23   |
| MBT2907A    | -60V  | -600mA | 225mW | SOT23   |
| MBT3904     | 60V   | 200mA  | 225mW | SOT23   |
| MBT3906     | -40V  | -200mA | 225mW | SOT23   |
| MBT4401     | 40V   | 600mA  | 225mW | SOT23   |
| MBT4403     | -40V  | -600mA | 225mW | SOT23   |
| MBSS84      | 50V   | 130mA  | 225mW | SOT23   |
| MS2301      | -20V  | -2.7A  | 1.3W  | SOT23   |
| MS2303      | -30V  | -3.2A  | 1.3W  | SOT23   |
| MBT5401     | -160V | -500mA | 225mW | SOT23   |
| MBT5551     | 180V  | 600mA  | 225mW | SOT23   |
| 2N7002      | 60V   | 115mA  | 225mW | SOT23   |
| 2N7002K     | 60V   | 300mA  | 350mW | SOT23   |
| MBTA05      |       | 500mA  | 225mW | SOT23   |
| MBTA06      |       | 500mA  | 225mW | SOT23   |
| MBTA56      | -80V  | -500mA | 225mW | SOT23   |
| MSBSS123    | 100V  | 170mA  | 225mW | SOT23   |
| MSBSS138    | 50V   | 200mA  | 225mW | SOT23   |
| MS2301A     | -20V  | -3.2A  | 1.3W  | SOT23   |
| MBT2222AW   | 75V   | 600mA  | 150mW | SOT323  |
| MBT2907AW   | -60V  | -600mA | 150mW | SOT323  |
| MBT3904W    | 60V   | 200mA  | 150mW | SOT323  |
| MBT3906W    | -40V  | -200mA | 150mW | SOT323  |
| 2N7002KW    | 60V   | 115mA  | 200mW | SOT323  |
| 2N7002W     | 60V   | 115mA  | 200mW | SOT323  |
| MBT2222ADW1 | 75V   | 600mA  | 150mW | SOT363  |
| MBT3906DW1  | -60V  | -200mA | 150mW | SOT363  |
| 2N7002DW    | 60V   | 300mA  | 350mW | SOT363  |
| MBT3904DW1  | 60V   | 200mA  | 150mW | SOT363  |
| MBT3904DW2  | 60V   | 200mA  | 150mW | SOT363  |
| MBT3946DW   |       | ±200mA | 150mW | SOT363  |

| Part No.  | Package  | Channel | VDSS<br>(V) | ID<br>(A) | VGS<br>(V) | RDS(on)<br>Max.(ohm) | RDS(on)<br>@VGS(V) | RDS(on)<br>@ID(A) | RoHS<br>(Note1) | Status<br>(Note2) |
|-----------|----------|---------|-------------|-----------|------------|----------------------|--------------------|-------------------|-----------------|-------------------|
| 2301N     | SOT-23   | P       | -20         | -2.2      | ±8         | 0.1                  | -4.5               | 2.8               | PF,HF           | M                 |
| 2302N     | SOT-23   | N       | 20          | 2.4       | ±8         | 0.06                 | 4.5                | 2.8               | PF,HF           | M                 |
| 2305N     | SOT-23   | P       | -20         | -4.5      | ±8         | 0.058                | -4.5               | -2.8              | PF,HF           | M                 |
| 2N7000    | TO-92    | N       | 60          | 0.2       | ±20        | 5                    | 10                 | 0.5               | PF              | M                 |
| 2N7002    | SOT-23   | N       | 60          | 0.2       | ±20        | 5                    | 10                 | 0.5               | PF,HF           | M                 |
| 2N7002K   | SOT-23   | N       | 60          | 0.5       | ±20        | 5                    | 10                 | 0.5               | PF,HF           | M                 |
| 2N7002KSN | SOT-323  | N       | 60          | 0.5       | ±20        | 5                    | 10                 | 0.5               | PF,HF           | M                 |
| 2N7002SN  | SOT-323  | N       | 60          | 0.2       | ±20        | 5                    | 10                 | 0.5               | PF,HF           | M                 |
| SG301DK   | SOT-363  | N       | 60          | 0.2       | ±20        | 5                    | 10                 | 0.5               | PF,HF           | M                 |
| 3055MJ    | TO-252   | N       | 30          | 12        | ±20        | 0.035                | 10                 | 6                 | PF              | M                 |
| 3055LJ    | TO-252   | N       | 20          | 13        | ±12        | 0.035                | 4.5                | 6                 | PF              | M                 |
| 35N03J    | TO-252   | N       | 25          | 35        | ±20        | 0.009                | 10                 | 30                | PF              | M                 |
| 4422S     | SO-8     | N       | 30          | 11        | ±20        | 0.0135               | 10                 | 11                | PF              | M                 |
| 4435S     | SO-8     | P       | -30         | -9.1      | ±20        | 0.035                | -4.5               | -6.9              | PF              | M                 |
| 4946S     | SO-8     | N       | 60          | 6         | ±20        | 0.041                | 10                 | 5                 | PF              | M                 |
| 4946DS    | DIP-8    | N       | 60          | 6         | ±20        | 0.041                | 10                 | 5                 | PF              | M                 |
| 50N03J    | TO-252   | N       | 25          | 50        | ±20        | 0.006                | 10                 | 30                | PF              | M                 |
| 6968S     | SO-8     | N       | 20          | 6.5       | ±12        | 0.024                | 4.5                | 6.5               | PF              | M                 |
| 6968CTS   | TSSOP-8  | N       | 20          | 6.5       | ±12        | 0.024                | 4.5                | 6.5               | PF              | M                 |
| 8205      | TSOP-6   | N       | 20          | 6         | ±8         | 0.028                | 4.5                | 6                 | PF              | M                 |
| 8205A     | TSSOP-8  | N       | 20          | 6         | ±8         | 0.025                | 4.5                | 6                 | PF              | M                 |
| 9926N     | SO-8     | N       | 20          | 6         | ±8         | 0.028                | 4.5                | 6                 | PF              | M                 |
| 9926S     | SO-8     | N       | 20          | 6         | ±8         | 0.03                 | 4.5                | 6                 | PF              | M                 |
| 9926TS    | TSSOP-8  | N       | 20          | 6         | ±8         | 0.03                 | 4.5                | 6                 | PF              | M                 |
| 9435S     | SO-8     | P       | -30         | -5.3      | ±20        | 0.09                 | -4.5               | -4.2              | PF              | M                 |
| 01N45A    | TO-92    | N       | 450         | 0.5       | ±30        | 4.5                  | 10                 | 0.5               | PF              | S                 |
| 01N60I    | TO-251   | N       | 600         | 1         | ±30        | 8                    | 10                 | 0.6               | PF              | S                 |
| 01N60SA   | TO-92    | N       | 600         | 1         | ±30        | 12                   | 10                 | 0.6               | PF              | M                 |
| 01N60SI   | TO-251   | N       | 600         | 1         | ±30        | 12                   | 10                 | 0.6               | PF              | M                 |
| 01N60SJ   | TO-252   | N       | 600         | 1         | ±30        | 12                   | 10                 | 0.6               | PF              | M                 |
| 02N60I    | TO-251   | N       | 600         | 2         | ±30        | 4.4                  | 10                 | 1                 | PF              | M                 |
| 02N60J    | TO-252   | N       | 600         | 2         | ±30        | 4.4                  | 10                 | 1                 | PF              | M                 |
| 02N60E    | TO-220AB | N       | 600         | 2         | ±30        | 4.4                  | 10                 | 1                 | PF              | M                 |
| 02N60F    | TO-220FP | N       | 600         | 2         | ±30        | 4.4                  | 10                 | 1                 | PF              | M                 |
| 02N60SI   | TO-251   | N       | 600         | 2         | ±30        | 5                    | 10                 | 1                 | PF              | M                 |
| 02N60SJ   | TO-252   | N       | 600         | 2         | ±30        | 5                    | 10                 | 1                 | PF              | M                 |

|         |          |   |     |     |     |      |    |     |    |   |
|---------|----------|---|-----|-----|-----|------|----|-----|----|---|
| 02N60SE | TO-220AB | N | 600 | 2   | ±30 | 5    | 10 | 1   | PF | M |
| 02N60SF | TO-220FP | N | 600 | 2   | ±30 | 5    | 10 | 1   | PF | M |
| 02N65E  | TO-220AB | N | 650 | 2   | ±30 | 4.6  | 10 | 1   | PF | M |
| 02N65F  | TO-220FP | N | 650 | 2   | ±30 | 4.6  | 10 | 1   | PF | M |
| 03N60E  | TO-220AB | N | 600 | 3   | ±30 | 4    | 10 | 1.5 | PF | M |
| 03N60F  | TO-220FP | N | 600 | 3   | ±30 | 4    | 10 | 1.5 | PF | M |
| 04N60E  | TO-220AB | N | 600 | 4   | ±30 | 2.2  | 10 | 2   | PF | M |
| 04N60F  | TO-220FP | N | 600 | 4   | ±30 | 2.2  | 10 | 2   | PF | M |
| 04N65E  | TO-220AB | N | 650 | 4   | ±30 | 3    | 10 | 2   | PF | M |
| 04N65F  | TO-220FP | N | 650 | 4   | ±30 | 3    | 10 | 2   | PF | M |
| 05N50E  | TO-220AB | N | 500 | 5   | ±30 | 1.4  | 10 | 2.5 | PF | M |
| 05N50F  | TO-220FP | N | 500 | 5   | ±30 | 1.4  | 10 | 2.5 | PF | M |
| 05N60E  | TO-220AB | N | 600 | 5   | ±30 | 2.3  | 10 | 2.5 | PF | M |
| 05N60F  | TO-220FP | N | 600 | 5   | ±30 | 2.3  | 10 | 2.5 | PF | M |
| 06N60E  | TO-220AB | N | 600 | 6   | ±30 | 1.2  | 10 | 3.6 | PF | M |
| 06N60F  | TO-220FP | N | 600 | 6   | ±30 | 1.2  | 10 | 3.6 | PF | M |
| 07N60E  | TO-220AB | N | 600 | 7   | ±30 | 1.2  | 10 | 3.5 | PF | M |
| 07N60F  | TO-220FP | N | 600 | 7   | ±30 | 1.2  | 10 | 3.5 | PF | M |
| 07N65E  | TO-220AB | N | 650 | 7   | ±30 | 1.2  | 10 | 3.5 | PF | M |
| 07N65F  | TO-220FP | N | 650 | 7   | ±30 | 1.2  | 10 | 3.5 | PF | M |
| 10N60E  | TO-220AB | N | 600 | 10  | ±30 | 1    | 10 | 5   | PF | M |
| 10N60F  | TO-220FP | N | 600 | 10  | ±30 | 1    | 10 | 5   | PF | M |
| 10N65E  | TO-220AB | N | 650 | 10  | ±30 | 1    | 10 | 5   | PF | M |
| 10N65F  | TO-220FP | N | 650 | 10  | ±30 | 1    | 10 | 5   | PF | M |
| 12N60E  | TO-220AB | N | 600 | 12  | ±30 | 0.8  | 10 | 6   | PF | M |
| 12N60F  | TO-220FP | N | 600 | 12  | ±30 | 0.8  | 10 | 6   | PF | M |
| 12N65E  | TO-220AB | N | 650 | 12  | ±30 | 0.8  | 10 | 6   | PF | M |
| 12N65F  | TO-220FP | N | 650 | 12  | ±30 | 0.8  | 10 | 6   | PF | M |
| IRF630  | TO-220AB | N | 200 | 9   | ±30 | 0.4  | 10 | 5.4 | PF | M |
| IRF630F | TO-220FP | N | 200 | 9   | ±30 | 0.4  | 10 | 5.4 | PF | M |
| IRF730  | TO-220AB | N | 400 | 5.5 | ±30 | 1    | 10 | 3.3 | PF | M |
| IRF730F | TO-220FP | N | 400 | 5.5 | ±30 | 1    | 10 | 3.3 | PF | M |
| IRF740  | TO-220AB | N | 400 | 10  | ±30 | 0.55 | 10 | 6   | PF | M |
| IRF740F | TO-220FP | N | 400 | 10  | ±30 | 0.55 | 10 | 6   | PF | M |
| IRF830  | TO-220AB | N | 500 | 4.5 | ±30 | 1.5  | 10 | 2.7 | PF | M |
| IRF830F | TO-220FP | N | 500 | 4.5 | ±30 | 1.5  | 10 | 2.7 | PF | M |
| IRF840  | TO-220AB | N | 500 | 8   | ±30 | 0.85 | 10 | 4.8 | PF | M |
| IRF840F | TO-220FP | N | 500 | 8   | ±30 | 0.85 | 10 | 4.8 | PF | M |

| N Channel MOSFET |                                 |                                |                     |                                                 |         |                                           |                                          |          |         |
|------------------|---------------------------------|--------------------------------|---------------------|-------------------------------------------------|---------|-------------------------------------------|------------------------------------------|----------|---------|
| Part Number      | Drain to Source Voltage VDSS(V) | Gate to Source Voltage VGSS(V) | Drain Current ID(A) | Static Drain to Source On Resistance RDS(ON)(Ω) | @VGS(V) | Maximum Gate Threshold Voltage VGS(th)(V) | Zero Gate Voltage Drain Current IDSS(μA) | @VDS (V) | Package |
| 2N7002EGP        | 60                              | ±20                            | 0.115               | 7.5                                             | 5       | 2                                         | 1                                        | 60       | SC-70   |
| 2N7002ESEGP      | 60                              | ±20                            | 0.115               | 7.5                                             | 5       | 2.5                                       | 1                                        | 60       | SC-70   |
| 2N7002ESGP       | 60                              | ±20                            | 0.115               | 7.5                                             | 5       | 2.5                                       | 1                                        | 60       | SOT-23  |
| 2N7002GP         | 60                              | ±20                            | 0.115               | 7.5                                             | 5       | 2                                         | 1                                        | 60       | SOT-23  |
| 2N7002TESGP      | 60                              | ±20                            | 0.115               | 7.5                                             | 5       | 2                                         | 1                                        | 60       | SC-75   |
| 2N7002TGP        | 60                              | ±20                            | 0.25                | 4                                               | 4       | 2.5                                       | 1                                        | 60       | SC-75   |
| 2SK3541GP        | 30                              | ±20                            | 0.1                 | 8                                               | 4       | 1.5                                       | 1                                        | 30       | SOT-23  |
| 2SK3541MGP       | 30                              | ±20                            | 100                 | 8                                               | 4       | 1.65                                      | 1                                        | 30       | SOT-723 |
| 003TGP           | 30                              | ±20                            | 0.11                | 6                                               | 4.5     | 1.8                                       | 1                                        | 24       | SC-75   |
| 02N6ANGP         | 650                             | ±30                            | 1.5                 | 7.5                                             | 10      | 4                                         | 25                                       | 600      | D2PAK   |
| 02N6GPAGP        | 600                             | ±30                            | 1.9                 | 5.5                                             | 10      | 4                                         | 25                                       | 600      | TO-252  |
| 02N6PAGP         | 600                             | ±30                            | 1.9                 | 5                                               | 10      | 4                                         | 25                                       | 600      | TO-252  |
| 02N7NGP          | 700                             | ±30                            | 1.9                 | 6.6                                             | 1       | 4                                         | 25                                       | 700      | D2PAK   |
| 02N7PAGP         | 700                             | ±30                            | 1.6                 | 6.6                                             | 10      | 4                                         | 25                                       | 700      | TO-252  |
| 0410JGP          | 100                             | ±20                            | 3.4                 | 0.12                                            | 10      | 4                                         | 1                                        | 100      | SO-8    |
| 04N6NGP          | 600                             | ±30                            | 4                   | 2.5                                             | 10      | 4                                         | 25                                       | 600      | D2PAK   |
| 05N65PAGP        | 650                             | ±30                            | 4                   | 2.4                                             | 10      | 4                                         | 25                                       | 650      | TO-252  |
| 06N5NGP          | 500                             | ±30                            | 6.6                 | 1                                               | 10      | 4                                         | 25                                       | 500      | D2PAK   |
| 09N6NGP          | 600                             | ±30                            | 9                   | 1.2                                             | 10      | 4                                         | 50                                       | 600      | D2PAK   |
| 09N7NGP          | 700                             | ±30                            | 8                   | 1.2                                             | 10      | 4                                         | 50                                       | 700      | D2PAK   |
| 1012LPAGP        | 120                             | ±20                            | 10                  | 0.12                                            | 10      | 3                                         | 25                                       | 120      | TO-252  |
| 1012PAGP         | 120                             | ±20                            | 10                  | 0.12                                            | 10      | 4                                         | 25                                       | 120      | TO-252  |
| 1012TGP          | 20                              | ±12                            | 0.65                | 0.38                                            | 4.5     | 1                                         | 1                                        | 20       | SC-75   |
| 10N4NGP          | 450                             | ±30                            | 10                  | 0.7                                             | 10      | 4                                         | 100                                      | 450      | D2PAK   |
| 1273GP           | 60                              | ±20                            | 2                   | 1                                               | 4       | 2.5                                       | 10                                       | 60       | SC-59   |
| 1273XGP          | 60                              | ±20                            | 2                   | 1                                               | 4       | 2.5                                       | 10                                       | 60       | SC-62   |
| 12N10PAGP        | 100                             | ±20                            | 11                  | 0.18                                            | 10      | 4                                         | 1                                        | 100      | TO-252  |
| 1304WGP          | 20                              | ±20                            | 2                   | 0.225                                           | 4.5V    | 1                                         | 1                                        | 20       | SC-70   |
| 13N07PAGP        | 70                              | ±20                            | 11                  | 0.153                                           | 5       | 2.5                                       | 1                                        | 60       | TO-252  |
| 1423WGP          | 20                              | ±12                            | 2.8                 | 0.09                                            | 4.5     | 1.2                                       | 1                                        | 20       | SC-70   |
| 1443WGP          | 30                              | ±20                            | 2.8                 | 0.09                                            | 4.5     | 3                                         | 1                                        | 30       | SC-70   |
| 1592GP           | 60                              | ±20                            | 0.5                 | 2.5                                             | 4       | 2                                         | 10                                       | 60       | SC-59   |
| 1592XGP          | 60                              | ±20                            | 0.5                 | 2.5                                             | 4       | 2                                         | 10                                       | 60       | SC-62   |
| 1702XGP          | 60                              | ±20                            | 0.5                 | 2.2                                             | 10      | 2.5                                       | 0.5                                      | 60       | SC-62   |
| 1710PAGP         | 100                             | ±20                            | 17                  | 0.085                                           | 10      | 4                                         | 1                                        | 100      | TO-252  |
| 1825NGP          | 250                             | ±20                            | 18                  | 0.2                                             | 10      | 4                                         | 1                                        | 250      | D2PAK   |
| 2082JGP          | 20                              | ±20                            | 11                  | 0.018                                           | 4.5     | 1.3                                       | 1                                        | 20       | SO-8    |

|            |     |     |      |        |     |     |     |     |         |
|------------|-----|-----|------|--------|-----|-----|-----|-----|---------|
| 20N06PAGP  | 60  | ±20 | 20   | 0.075  | 4.5 | 2.5 | 1   | 55  | TO-252  |
| 210BGP     | 100 | ±20 | 1.3  | 0.24   | 5   | 2   | 1   | 80  | SC-59   |
| 21A2PAGP   | 20  | ±12 | 20   | 0.04   | 4.5 | 1.5 | 1   | 20  | TO-252  |
| 21A3PAGP   | 30  | ±20 | 20   | 0.07   | 4.5 | 2.5 | 1   | 30  | TO-252  |
| 2304GP     | 30  | ±20 | 2.8  | 0.12   | 4.5 | 3   | 0.5 | 30  | SC-59   |
| 2308ESGP   | 20  | ±12 | 5.4  | 0.027  | 4.5 | 1.2 | 1   | 20  | SC-59   |
| 2310GP     | 30  | ±12 | 4.8  | 0.04   | 4.5 | 1.4 | 1   | 30  | SC-59   |
| 2314GP     | 30  | ±20 | 4    | 0.07   | 4.5 | 3   | 1   | 24  | SC-59   |
| 2316GP     | 30  | ±20 | 4.8  | 0.05   | 4.5 | 3   | 1   | 30  | SC-59   |
| 2316QGP    | 30  | ±20 | 6    | 0.05   | 4.5 | 3   | 1   | 30  | SC-74   |
| 2342GP     | 40  | ±20 | 4.2  | 0.058  | 4.5 | 3   | 1   | 40  | SC-59   |
| 2346ESGP   | 60  | ±20 | 2.9  | 0.105  | 4.5 | 3   | 1   | 60  | SC-59   |
| 2362GP     | 60  | ±20 | 3    | 0.1    | 4.5 | 3   | 1   | 60  | SC-59   |
| 25N15LPAGP | 150 | ±20 | 25   | 0.08   | 5   | 3   | 1   | 150 | TO-252  |
| 2703QGP    | 30  | ±20 | 7    | 0.04   | 4.5 | 3   | 1   | 24  | SC-74   |
| 3032JGP    | 30  | ±20 | 18   | 0.0068 | 4.5 | 3   | 1   | 25  | SO-8    |
| 3055LAPAGP | 30  | ±20 | 12   | 0.09   | 5   | 2.5 | 1   | 30  | TO-252  |
| 3055LXGP   | 60  | ±20 | 3.7  | 0.12   | 4.5 | 2   | 1   | 60  | SC-62   |
| 3055ZGP    | 60  | ±20 | 4    | 0.1    | 10  | 4   | 10  | 48  | SOT-223 |
| 3060JGP    | 30  | ±20 | 14   | 0.0115 | 4.5 | 3   | 1   | 30  | SO-8    |
| 3082JGP    | 30  | ±20 | 12   | 0.015  | 4.5 | 3   | 1   | 24  | SO-8    |
| 30N15LNGP  | 150 | ±12 | 28   | 0.07   | 4.5 | 1.5 | 1   | 150 | D2PAK   |
| 310GP      | 100 | ±20 | 0.17 | 9      | 4.5 | 2.8 | 0.1 | 100 | SOT-23  |
| 3120JGP    | 30  | ±20 | 10   | 0.022  | 4.5 | 3   | 1   | 30  | SO-8    |
| 3120PAGP   | 30  | ±20 | 36   | 0.022  | 4.5 | 3   | 1   | 30  | TO-252  |
| 3172JGP    | 30  | ±20 | 8.9  | 0.028  | 4.5 | 3   | 1   | 30  | SO-8    |
| 3203CMGP   | 30  | ±12 | 6    | 0.032  | 4.5 | 1.2 | 1   | 24  | SC-59   |
| 3252JGP    | 30  | ±20 | 7.5  | 0.04   | 4.5 | 3   | 1   | 30  | SO-8    |
| 3252PAGP   | 30  | ±20 | 25   | 0.039  | 4.5 | 3   | 1   | 30  | TO-252  |
| 3252ZGP    | 30  | ±20 | 8    | 0.045  | 4.5 | 3   | 1   | 30  | SOT-223 |
| 3458QGP    | 60  | ±20 | 5    | 0.125  | 4.5 | 1.5 | 1   | 60  | SC-74   |
| 4060APAGP  | 60  | ±20 | 15   | 0.085  | 10  | 4   | 25  | 60  | TO-252  |
| 41A2NGP    | 20  | ±12 | 40   | 0.02   | 4.5 | 1.5 | 1   | 20  | D2PAK   |
| 41A2PAGP   | 20  | ±12 | 36   | 0.02   | 4.5 | 1.5 | 1   | 20  | TO-252  |
| 4204PAGP   | 40  | ±20 | 24   | 0.045  | 4.5 | 4   | 1   | 32  | TO-252  |
| 4282JGP    | 40  | ±20 | 6.6  | 0.048  | 4.5 | 3   | 1   | 40  | SO-8    |
| 4410AJGP   | 30  | ±20 | 10   | 0.02   | 4.5 | 3   | 1   | 30  | SO-8    |
| 4410BJGP   | 30  | ±20 | 12.5 | 0.014  | 4.5 | 3   | 1   | 30  | SO-8    |
| 4412JGP    | 30  | ±20 | 7    | 0.042  | 4.5 | 3   | 1   | 30  | SO-8    |
| 4416JGP    | 30  | ±20 | 9    | 0.028  | 4.5 | 3   | 1   | 30  | SO-8    |
| 4426JGP    | 60  | ±20 | 5    | 0.075  | 4.5 | 3   | 1   | 48  | SO-8    |
| 4436JGP    | 60  | ±20 | 8    | 0.044  | 4.5 | 2   | 1   | 60  | SO-8    |
| 4450JGP    | 60  | ±20 | 7.5  | 0.03   | 6   | 4   | 1   | 60  | SO-8    |
| 451ANZGP   | 30  | ±20 | 7.2  | 0.05   | 4.5 | 3   | 1   | 24  | SOT-223 |
| 453NZGP    | 30  | ±20 | 8    | 0.042  | 4.5 | 3   | 1   | 24  | SOT-223 |



|           |     |     |     |        |     |      |    |     |         |
|-----------|-----|-----|-----|--------|-----|------|----|-----|---------|
| 456NZGP   | 60  | ±20 | 5   | 0.075  | 5   | 3    | 1  | 55  | SOT-223 |
| 4800AJGP  | 30  | ±20 | 9   | 0.028  | 4.5 | 3    | 1  | 24  | SO-8    |
| 4892JGP   | 30  | ±20 | 12  | 0.017  | 4.5 | 2.5  | 1  | 24  | SO-8    |
| 50N06NGP  | 60  | ±20 | 50  | 0.022  | 10  | 4    | 1  | 54  | D2PAK   |
| 50N06PAGP | 60  | ±20 | 36  | 0.023  | 10  | 4    | 1  | 60  | TO-252  |
| 51A3PAGP  | 30  | ±20 | 35  | 0.028  | 4.5 | 3    | 1  | 30  | TO-252  |
| 51A3ZGP   | 30  | ±20 | 9.5 | 0.028  | 4.5 | 3    | 1  | 30  | SOT-223 |
| 540ANGP   | 100 | ±20 | 36  | 0.048  | 10  | 4    | 25 | 100 | D2PAK   |
| 540APAGP  | 100 | ±20 | 25  | 0.046  | 10  | 4    | 25 | 100 | TO-252  |
| 5506JGP   | 60  | ±20 | 5.5 | 0.075  | 4.5 | 2.5  | 1  | 48  | SO-8    |
| 6030LPAGP | 30  | ±20 | 40  | 0.022  | 4.5 | 3    | 1  | 24  | TO-252  |
| 6031LPAGP | 30  | ±20 | 55  | 0.015  | 4.5 | 3    | 1  | 24  | TO-252  |
| 603ALPAGP | 30  | ±20 | 20  | 0.04   | 4.5 | 3    | 1  | 24  | TO-252  |
| 6056PAGP  | 60  | ±20 | 76  | 0.0062 | 10  | 4    | 1  | 60  | TO-252  |
| 6060NPAGP | 30  | ±20 | 34  | 0.025  | 10  | 4    | 25 | 60  | TO-252  |
| 6060RNGP  | 60  | ±20 | 60  | 0.025  | 10  | 4    | 25 | 60  | D2PAK   |
| 6060RPAGP | 60  | ±20 | 30  | 0.025  | 10  | 4    | 25 | 60  | TO-252  |
| 610ADPAGP | 100 | ±20 | 10  | 0.16   | 10  | 4    | 1  | 80  | TO-252  |
| 6168PAGP  | 60  | ±20 | 28  | 0.038  | 4.5 | 3    | 1  | 60  | TO-252  |
| 6186JGP   | 60  | ±20 | 8   | 0.04   | 4.5 | 3    | 1  | 60  | SO-8    |
| 61A3PAGP  | 30  | ±20 | 40  | 0.02   | 4.5 | 3    | 1  | 30  | TO-252  |
| 62A2PAGP  | 20  | ±12 | 48  | 0.012  | 4.5 | 1.2  | 1  | 20  | TO-252  |
| 62A3PAGP  | 30  | ±20 | 55  | 0.016  | 4.5 | 3    | 1  | 30  | TO-252  |
| 630PAGP   | 200 | ±20 | 7.8 | 0.36   | 10  | 4    | 25 | 160 | TO-252  |
| 6336JGP   | 60  | ±20 | 5.8 | 0.055  | 4.5 | 3    | 1  | 60  | SO-8    |
| 634PAGP   | 250 | ±30 | 6.7 | 0.45   | 10  | 4    | 25 | 250 | TO-252  |
| 63A3PAGP  | 30  | ±20 | 55  | 0.014  | 4.5 | 3    | 1  | 30  | TO-252  |
| 640NGP    | 200 | ±20 | 18  | 0.15   | 10  | 4    | 25 | 160 | D2PAK   |
| 6426JGP   | 60  | ±20 | 4.7 | 0.085  | 4.5 | 3    | 1  | 60  | SO-8    |
| 6426PAGP  | 60  | ±20 | 16  | 0.085  | 4.5 | 3    | 1  | 60  | TO-252  |
| 6426XGP   | 60  | ±20 | 3   | 0.11   | 4.5 | 3    | 1  | 60  | SC-62   |
| 65A3PAGP  | 25  | ±20 | 38  | 0.02   | 4.5 | 3    | 1  | 25  | TO-252  |
| 703ALPAGP | 30  | ±20 | 40  | 0.032  | 4.5 | 3    | 1  | 24  | TO-252  |
| 71A3PAGP  | 30  | ±20 | 65  | 0.014  | 5   | 3    | 1  | 30  | TO-252  |
| 72A3NGP   | 30  | ±30 | 75  | 0.006  | 10  | 3    | 1  | 30  | D2PAK   |
| 72A3PAGP  | 30  | ±20 | 70  | 0.011  | 4.5 | 3    | 1  | 30  | TO-252  |
| 730GPAGP  | 400 | ±30 | 5   | 1      | 10  | 4    | 10 | 400 | TO-252  |
| 73A3PAGP  | 30  | ±20 | 65  | 0.013  | 4.5 | 3    | 1  | 25  | TO-252  |
| 7400SGP   | 30  | ±12 | 2.8 | 0.085  | 4.5 | 1.6  | 1  | 24  | SC-88   |
| 7400WGP   | 30  | ±12 | 2.8 | 0.085  | 4.5 | 1.6  | 1  | 24  | SC-70   |
| 7402WGP   | 20  | ±12 | 2.4 | 0.065  | 4.5 | 0.85 | 1  | 20  | SC-70   |
| 740ANGP   | 400 | ±30 | 10  | 0.65   | 10  | 4    | 50 | 400 | D2PAK   |
| 75A3PAGP  | 25  | ±20 | 60  | 0.013  | 4.5 | 3    | 1  | 25  | TO-252  |
| 76139NGP  | 30  | ±20 | 75  | 0.007  | 10  | 3    | 1  | 30  | D2PAK   |
| 8030LANGP | 30  | ±20 | 75  | 0.0065 | 10  | 3    | 1  | 30  | D2PAK   |

|          |     |     |      |        |     |          |   |     |        |
|----------|-----|-----|------|--------|-----|----------|---|-----|--------|
| 80N75NGP | 75  | ±20 | 80   | 0.013  | 10  | 4        | 1 | 60  | D2PAK  |
| 830GPAGP | 500 | ±30 | 4.5  | 1.5    | 10  | 4        | 1 | 500 | TO-252 |
| 83A3NGP  | 30  | ±20 | 100  | 0.008  | 4.5 | 3        | 1 | 30  | D2PAK  |
| 83A3PAGP | 30  | ±20 | 80   | 0.009  | 4.5 | 3        | 1 | 30  | TO-252 |
| 8410JGP  | 30  | ±20 | 10   | 0.02   | 4.5 | 3        | 1 | 24  | SO-8   |
| 85A3PAGP | 25  | ±20 | 80   | 0.009  | 4.5 | 3        | 1 | 25  | TO-252 |
| 8809JGP  | 30  | ±16 | 15.5 | 0.0095 | 4.5 | 3        | 1 | 24  | SO-8   |
| 8811JGP  | 30  | ±20 | 12.5 | 0.0135 | 4.5 | 3        | 1 | 24  | SO-8   |
| 9410JGP  | 30  | ±20 | 7    | 0.05   | 4.5 | 3        | 1 | 24  | SO-8   |
| 9436AJGP | 30  | ±20 | 6.2  | 0.052  | 4.5 | 3        | 1 | 24  | SO-8   |
| 9926PAGP | 20  | ±12 | 26   | 0.03   | 4.5 | 1.5      | 1 | 20  | TO-252 |
| T100GP   | 30  | ±20 | 1.1  | 0.17   | 4.5 | 3        | 1 | 24  | SOT-23 |
| T170GP   | 60  | ±20 | 0.5  | 5      | 10  | 3        | 1 | 60  | SOT-23 |
| T2302GP  | 20  | ±8  | 2.8  | 0.085  | 4.5 | 1.2      | 1 | 16  | SOT-23 |
| T2302WGP | 20  | ±8  | 2.8  | 0.085  | 4.5 | 0.7(min) | 1 | 16  | SC-70  |
| T2312GP  | 20  | ±8  | 4.5  | 0.033  | 4.5 | 1        | 1 | 20  | SC-59  |
| T2324GP  | 20  | ±12 | 4.2  | 0.045  | 4.5 | 1        | 1 | 16  | SC-59  |
| T870GP   | 60  | ±20 | 0.25 | 4      | 4   | 3        | 1 | 60  | SOT-23 |

#### P Channel MOSFET

| Part Number | Drain to Source Voltage VDSS(V) | Gate to Source Voltage VGSS(V) | Drain Current ID(A) | Static Drain to Source On Resistance RDS(ON)(Ω) | @VGS(V) | Maximum Gate Threshold Voltage VGS(th)(V) | Zero Gate Voltage Drain Current IDSS(μA) | @VDS (V) | Package |
|-------------|---------------------------------|--------------------------------|---------------------|-------------------------------------------------|---------|-------------------------------------------|------------------------------------------|----------|---------|
| 05P03NGP    | -30                             | ±20                            | -18                 | 0.12                                            | -4.5    | -3                                        | -1                                       | -30      | D2PAK   |
| 1013TGP     | -20                             | ±12                            | -0.45               | 0.52                                            | -4.5    | -0.8                                      | -1                                       | -20      | SC-75   |
| 1203EVJGP   | -30                             | ±25                            | -12                 | 0.021                                           | -4.5    | -3                                        | -1                                       | -24      | SO-8    |
| 12P10NGP    | -100                            | ±30                            | -11                 | 0.315                                           | -10     | -4                                        | -1                                       | -100     | D2PAK   |
| 1305WGP     | -20                             | ±12                            | -1                  | 0.28                                            | -4.5    | -1.2                                      | -1                                       | -20      | SC-70   |
| 1413WGP     | -20                             | ±12                            | -2.9                | 0.15                                            | -4.5    | -1.8                                      | -1                                       | -20      | SC-70   |
| 1433WGP     | -30                             | ±20                            | -2.8                | 0.14                                            | -4.5    | -3                                        | -1                                       | -30      | SC-70   |
| 20P06PAGP   | -60                             | ±20                            | -13                 | 0.15                                            | -4.5    | -3                                        | -1                                       | -48      | TO-252  |
| 2301ESGP    | -20                             | ±12                            | -2.8                | 0.07                                            | -4.5    | -1                                        | -1                                       | -16      | SOT-23  |
| 2305GP      | -30                             | ±12                            | -4                  | 0.07                                            | -4.5    | -1.3                                      | -1                                       | -30      | SC-59   |
| 2307GP      | -30                             | ±20                            | -3.2                | 0.12                                            | -4.5    | -3                                        | -1                                       | -30      | SC-59   |
| 2313GP      | -30                             | ±20                            | -3.6                | 0.09                                            | -4.5    | -3                                        | -1                                       | -30      | SC-59   |
| 2313QGP     | -30                             | ±20                            | -4.6                | 0.09                                            | -4.5    | -3                                        | -1                                       | -30      | SC-74   |
| 2321GP      | -20                             | ±12                            | -3.8                | 0.055                                           | -4.5    | -1.5                                      | -1                                       | -16      | SC-59   |
| 2323GP      | -30                             | ±20                            | -4.1                | 0.08                                            | -4.5    | -3                                        | -1                                       | -30      | SC-59   |
| 2331GP      | -20                             | ±8                             | -4.2                | 0.048                                           | -4.5    | -0.9                                      | -1                                       | -20      | SC-59   |
| 2331QGP     | -20                             | ±8                             | -4.2                | 0.048                                           | -4.5    | -0.9                                      | -1                                       | -20      | SC-74   |
| 2401JGP     | -20                             | ±12                            | -6                  | 0.044                                           | -4.5    | -1                                        | -1                                       | -20      | SO-8    |
| 3083JGP     | -30                             | ±20                            | -13                 | 0.0155                                          | -4.5    | -3                                        | -1                                       | -30      | SO-8    |

|            |     |     |       |       |      |           |     |     |         |
|------------|-----|-----|-------|-------|------|-----------|-----|-----|---------|
| 3301JGP    | -30 | ±20 | -7    | 0.05  | -4.5 | -3        | -1  | -30 | SO-8    |
| 3301PAGP   | -30 | ±20 | -28   | 0.05  | -4.5 | -3        | -1  | -30 | TO-252  |
| 3413KGP    | -30 | ±12 | -3.5  | 0.095 | -4.5 | -0.8      | -1  | -20 | SC-88A  |
| 3413SGP    | -20 | ±12 | -3.5  | 0.095 | -4.5 | -0.8      | -1  | -20 | SC-88   |
| 4201PAGP   | -40 | ±20 | -28   | 0.036 | -4.5 | -3        | -1  | -40 | TO-252  |
| 4301JGP    | -40 | ±20 | -6    | 0.065 | -4.5 | -3        | -1  | -32 | SO-8    |
| 4301PAGP   | -40 | ±20 | -20   | 0.065 | -4.5 | -3        | -1  | -32 | TO-252  |
| 4301ZGP    | -40 | ±20 | -6.3  | 0.068 | -4.5 | -3        | -1  | -32 | SOT-223 |
| 4311JGP    | -30 | ±20 | -9.3  | 0.03  | -4.5 | -3        | -1  | -24 | SO-8    |
| 4311PAGP   | -30 | ±20 | -33   | 0.03  | -4.5 | -3        | -1  | -30 | TO-252  |
| 4431JGP    | -30 | ±20 | -5.8  | 0.07  | -4.5 | -3        | -1  | -30 | SO-8    |
| 4435AJGP   | -30 | ±20 | -8    | 0.035 | -4.5 | -3        | -1  | -30 | SO-8    |
| 4435AZGP   | -30 | ±20 | -8    | 0.035 | -4.5 | -3        | -1  | -30 | SOT-223 |
| 4435BJGP   | -30 | ±25 | -9    | 0.035 | -4.5 | -3        | -1  | -24 | SO-8    |
| 4531JGP    | -30 | ±20 | -6.5  | 0.055 | -4.5 | -3        | -1  | -24 | SO-8    |
| 4531PAGP   | -30 | ±20 | -25   | 0.057 | -4.5 | -3        | -1  | -24 | TO-252  |
| 5813ESQ2GP | -12 | ±8  | -9    | 0.02  | -4.5 | -1        | -1  | -12 | DFN 3x2 |
| 5P03PAGP   | -30 | ±20 | -15   | 0.12  | -4.5 | -3        | -1  | -30 | TO-252  |
| 6503GP     | -30 | ±12 | -3.6  | 0.065 | -4.5 | -1.2      | -1  | -24 | SC-59   |
| 6601JGP    | -60 | ±20 | -4.3  | 0.125 | -4.5 | -3        | -1  | -60 | SO-8    |
| 6601PAGP   | -60 | ±20 | -16   | 0.125 | -4.5 | -3        | -1  | -60 | TO-252  |
| 6861JGP    | -60 | ±20 | -3.5  | 0.169 | -4.5 | -3        | -1  | -60 | SO-8    |
| 6861ZGP    | -60 | ±20 | -3.5  | 0.17  | -4.5 | -3        | -1  | -60 | SOT-223 |
| 7401WGP    | -30 | ±12 | -2.8  | 0.135 | -4.5 | -1        | -1  | -24 | SC-70   |
| 7407WGP    | -20 | ±12 | -2.3  | 0.1   | -4.5 | -0.89     | -1  | -20 | SC-70   |
| 8433JGP    | -20 | ±8  | -5    | 0.042 | -4.5 | -1.5      | -1  | -16 | SO-8    |
| 8435AJGP   | -30 | ±20 | -7.9  | 0.04  | -4.5 | -3        | -1  | -24 | SO-8    |
| 9407AJGP   | -60 | ±20 | -3.7  | 0.15  | -4.5 | -3        | -1  | -48 | SO-8    |
| 9407AZGP   | -60 | ±20 | -3.7  | 0.15  | -4.5 | -3        | -1  | -48 | SOT-223 |
| 9424JGP    | -20 | ±8  | -7.7  | 0.025 | -4.5 | -1        | -1  | -24 | SO-8    |
| 9433JGP    | -20 | ±12 | -5.4  | 0.065 | -4.5 | -0.6(min) | -1  | -16 | SO-8    |
| 9435AJGP   | -30 | ±20 | -5.3  | 0.09  | -4.5 | -3        | -1  | -24 | SO-8    |
| 9435AZGP   | -30 | ±20 | -5.3  | 0.09  | -4.5 | -3        | -1  | -24 | SOT-223 |
| 9435GP     | -30 | ±20 | -5.3  | 0.1   | -4.5 | -3        | -1  | -24 | SOT-23  |
| 9535JGP    | -30 | ±20 | -5    | 0.095 | -4.5 | -3        | -1  | -30 | SO-8    |
| T2301GP    | -20 | ±8  | -2.3  | 0.13  | -4.5 | -0.6(min) | -1  | -16 | SOT-23  |
| T2301WGP   | -20 | ±8  | -2.3  | 0.13  | -4.5 | -0.6(min) | -1  | -16 | SC-70   |
| T2303GP    | -30 | ±20 | -1.9  | 0.32  | -4.5 | -3        | -1  | -30 | SC-59   |
| T84GP      | -50 | ±20 | -0.13 | 10    | -5   | -2        | -15 | -50 | SOT-23  |
| T84WGP     | -50 | ±20 | -0.13 | 10    | -5   | -2        | -15 | -50 | SC-70   |

## Dual N Channel MOSFET

| Part Number | Drain to Source Voltage VDSS(V) | Gate to Source Voltage VGSS(V) | Drain Current ID(A) | Static Drain to Source On Resistance RDS(ON)(Ω) | @VGS(V) | Maximum Gate Threshold Voltage VGS(th)(V) | Zero Gate Voltage Drain Current IDSS(uA) | @VDS (V) | Package |
|-------------|---------------------------------|--------------------------------|---------------------|-------------------------------------------------|---------|-------------------------------------------|------------------------------------------|----------|---------|
| 2N7002DSGP  | 50                              | ±20                            | 0.51                | 4                                               | 4.5     | 2.5                                       | 1                                        | 40       | SC-74   |
| 2N7002SESGP | 60                              | ±20                            | 0.64                | 4                                               | 4.5     | 2.5                                       | 10                                       | 60       | SC-88   |
| 2N7002SGP   | 60                              | ±20                            | 0.115               | 7.5                                             | 5       | 2                                         | 1                                        | 60       | SC-88   |
| 2N7002SSGP  | 50                              | ±20                            | 0.51                | 4                                               | 4.5     | 2.5                                       | 1                                        | 40       | SC-88   |
| 2N7002VGP   | 60                              | ±20                            | 0.28                | 7.5                                             | 5       | 2.5                                       | 1                                        | 60       | SOT-563 |
| 2SK3541SGP  | 30                              | ±20                            | 0.1                 | 8                                               | 4       | 1.65                                      | 1                                        | 30       | SC-88   |
| 2SK3541VGP  | 30                              | ±20                            | 0.1                 | 8                                               | 4       | 1.65                                      | 1                                        | 30       | SOT-563 |
| 1024VGP     | 20                              | ±12                            | 0.7                 | 0.36                                            | 4.5     | 1                                         | 1                                        | 20       | SOT-563 |
| 1503YJGP    | 30                              | ±20                            | 8                   | 0.032                                           | 4.5     | 3                                         | 1                                        | 24       | SO-8    |
|             | 30                              | ±20                            | 9                   | 0.02                                            | 4.5     | 3                                         | 1                                        | 24       |         |
| 2108JGP     | 20                              | ±20                            | 9.5                 | 0.014                                           | 4.5     | 1.3                                       | 1                                        | 20       | SO-8    |
| 3128JGP     | 30                              | ±20                            | 9                   | 0.023                                           | 4.5     | 3                                         | 1                                        | 30       | SO-8    |
| 3178JGP     | 30                              | ±20                            | 7.8                 | 0.03                                            | 4.5     | 3                                         | 1                                        | 30       | SO-8    |
| 3258JGP     | 30                              | ±20                            | 7                   | 0.04                                            | 4.5     | 3                                         | 1                                        | 30       | SO-8    |
| 3545SGP     | 40                              | ±20                            | 0.3                 | 5                                               | 5       | 1.3                                       | 1                                        | 40       | SC-88   |
| 3K33VESGP   | 20                              | ±8                             | 0.2                 | 0.9(typ)                                        | 4       | 1.2                                       | 10                                       | 20       | SOT-563 |
| 4228JGP     | 40                              | ±20                            | 6.3                 | 0.045                                           | 4.5     | 3                                         | 1                                        | 40       | SO-8    |
| 4308JGP     | 40                              | ±20                            | 5.8                 | 0.05                                            | 4.5     | 3                                         | 1                                        | 40       | SO-8    |
| 4804AJGP    | 30                              | ±20                            | 7.5                 | 0.03                                            | 4.5     | 3                                         | 1                                        | 30       | SO-8    |
| 4804JGP     | 30                              | ±20                            | 7.9                 | 0.03                                            | 4.5     | 3                                         | 1                                        | 30       | SO-8    |
| 4808JGP     | 30                              | ±20                            | 9                   | 0.02                                            | 4.5     | 2.5                                       | 1                                        | 24       | SO-8    |
| 4936JGP     | 30                              | ±20                            | 5.8                 | 0.55                                            | 4.5     | 3                                         | 1                                        | 30       | SO-8    |
| 4946JGP     | 60                              | ±20                            | 4.5                 | 0.075                                           | 4.5     | 3                                         | 2                                        | 60       | SO-8    |
| 6335SGP     | 20                              | ±12                            | 1.2                 | 0.38                                            | 4.5     | 1                                         | 1                                        | 20       | SC-88   |
| 6338JGP     | 60                              | ±20                            | 5.2                 | 0.055                                           | 4.5     | 3                                         | 1                                        | 60       | SO-8    |
| 6426JGP     | 60                              | ±20                            | 4.7                 | 0.085                                           | 4.5     | 3                                         | 1                                        | 60       | SO-8    |
| 6428JGP     | 60                              | ±20                            | 4.1                 | 0.086                                           | 4.5     | 3                                         | 1                                        | 60       | SO-8    |
| 6561QGP     | 30                              | ±20                            | 2.8                 | 0.08                                            | 4.5     | 3                                         | 1                                        | 30       | SC-74   |
| 7101JGP     | 30                              | ±20                            | 4                   | 0.1                                             | 4.5     | 3                                         | 1                                        | 30       | SO-8    |
| 8206JGP     | 20                              | ±12                            | 6                   | 0.02                                            | 4.5     | 1.5                                       | 1                                        | 20       | SO-8    |
| 8207JGP     | 20                              | ±12                            | 6                   | 0.02                                            | 4.5     | 1.5                                       | 1                                        | 20       | SO-8    |
| 8208JGP     | 20                              | ±12                            | 7                   | 0.022                                           | 4.5     | 1.2                                       | 1                                        | 20       | SO-8    |
| 8912JGP     | 30                              | ±20                            | 7                   | 0.045                                           | 4.5     | 3                                         | 1                                        | 30       | SO-8    |
| 9926AJGP    | 20                              | ±12                            | 6                   | 0.2                                             | 4.5     | 1.5                                       | 1                                        | 20       | SO-8    |
| 9926JGP     | 20                              | ±10                            | 6                   | 0.03                                            | 4.5     | 1                                         | 1                                        | 20       | SO-8    |
| 9935AJGP    | 20                              | ±12                            | 6                   | 0.042                                           | 4.5     | 1.5                                       | 1                                        | 20       | SO-8    |
| 9936AJGP    | 30                              | ±20                            | 5.4                 | 0.055                                           | 4.5     | 3                                         | 1                                        | 24       | SO-8    |
| 9956AJGP    | 30                              | ±20                            | 3.7                 | 0.11                                            | 4.5     | 3                                         | 1                                        | 24       | SO-8    |

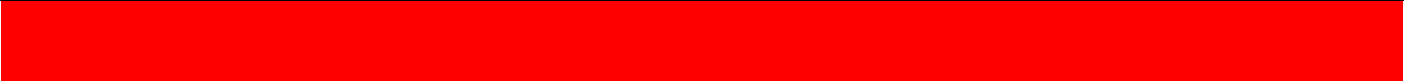
## Dual P Channel MOSFET

| Part Number | Drain to Source Voltage VDSS(V) | Gate to Source Voltage VGSS(V) | Drain Current ID(A) | Static Drain to Source On Resistance RDS(ON)(Ω) | @VGS(V) | Maximum Gate Threshold Voltage VGS(th)(V) | Zero Gate Voltage Drain Current IDSS(μA) | @VDS (V) | Package |
|-------------|---------------------------------|--------------------------------|---------------------|-------------------------------------------------|---------|-------------------------------------------|------------------------------------------|----------|---------|
| 1023VGP     | -20                             | ±12                            | -0.5                | 0.52                                            | -4.5    | -0.8                                      | -1                                       | -20      | SOT-563 |
| 2407JGP     | -20                             | ±12                            | -5.3                | 0.045                                           | -4.5    | -1                                        | -1                                       | -20      | SO-8    |
| 4432JGP     | -30                             | ±20                            | -5.5                | 0.07                                            | -4.5    | -3                                        | -1                                       | -30      | SO-8    |
| 4948JGP     | -60                             | ±20                            | -3.1                | 0.15                                            | -4.5    | -3                                        | -2                                       | -60      | SO-8    |
| 4953JGP     | -30                             | ±20                            | -4.9                | 0.095                                           | -4.5    | -3                                        | -1                                       | -30      | SO-8    |
| 4955JGP     | -30                             | ±20                            | -4.5                | 0.085                                           | -4.5    | -3                                        | -1                                       | -30      | SO-8    |
| 6308SGP     | -20                             | ±12                            | -1                  | 0.52                                            | -4.5    | -0.8                                      | -1                                       | -20      | SC-88   |
| 6607JGP     | -60                             | ±20                            | -3.8                | 0.125                                           | -4.5    | -3                                        | -1                                       | -60      | SO-8    |
| 8311JGP     | -30                             | ±20                            | -7.9                | 0.033                                           | -4.5    | -3                                        | -1                                       | -24      | SO-8    |
| 8531JGP     | -30                             | ±20                            | -5.9                | 0.06                                            | -4.5    | -3                                        | -1                                       | -24      | SO-8    |
| 8933AJGP    | -20                             | ±10                            | -4.6                | 0.058                                           | -4.5    | -0.5(min)                                 | -1                                       | -16      | SO-8    |
| 9953AJGP    | -30                             | ±20                            | -3.5                | 0.13                                            | -4.5    | -3                                        | -1                                       | -24      | SO-8    |
| T84SGP      | -50                             | ±20                            | -0.13               | 10                                              | -5      | -2                                        | -15                                      | -50      | SC-88   |
| T84VGP      | -50                             | ±20                            | -0.13               | 10                                              | -5      | -2                                        | -15                                      | -50      | SOT-563 |

## Complementary MOSFET

| Part Number | Drain to Source Voltage VDSS(V) | Gate to Source Voltage VGSS(V) | Drain Current ID(A) | Static Drain to Source On Resistance RDS(ON)(Ω) | @VGS(V) | Maximum Gate Threshold Voltage VGS(th)(V) | Zero Gate Voltage Drain Current IDSS(μA) | @VDS (V) | Package  |
|-------------|---------------------------------|--------------------------------|---------------------|-------------------------------------------------|---------|-------------------------------------------|------------------------------------------|----------|----------|
| 11C2JGP     | 30                              | ±20                            | 7                   | 0.042                                           | 4.5     | 3                                         | 1                                        | 30       | SO-8     |
|             | -20                             | ±8                             | -4.3                | 0.09                                            | -4.5    | -1.5                                      | -1                                       | -16      |          |
| 2030JGP     | 20                              | ±12                            | 6                   | 0.03                                            | 4.5     | 1                                         | 1                                        | 20       | SO-8     |
|             | -20                             | ±12                            | -4.3                | 0.09                                            | -4.5    | -0.6(min)                                 | -1                                       | -16      |          |
| 3U22SESGP   | 30                              | ±8                             | 0.2                 | 1.1                                             | 4       | 1.2                                       | 1                                        | 30       | SC-88    |
|             | -30                             | ±8                             | -0.2                | 3                                               | -4      | -1.2                                      | -1                                       | -30      |          |
| 3U22VESGP   | 30                              | ±8                             | 0.2                 | 1.1                                             | 4       | 1.2                                       | 1                                        | 30       | SOT-563  |
|             | -30                             | ±8                             | -0.2                | 3                                               | -4      | -1.2                                      | -1                                       | -30      |          |
| 3U33SESGP   | 20                              | ±8                             | 0.2                 | 0.9                                             | 4       | 1.2                                       | 1                                        | 30       | SC-88    |
|             | -20                             | ±8                             | -0.2                | 4                                               | -4      | -1.2                                      | -1                                       | -30      |          |
| 4269JGP     | 40                              | ±20                            | 6.1                 | 0.046                                           | 4.5     | 3                                         | 1                                        | 40       | SO-8     |
|             | -40                             | ±20                            | -5.2                | 0.065                                           | -4.5    | -3                                        | -1                                       | -40      |          |
| 4269PA4GP   | 40                              | ±20                            | 14                  | 0.046                                           | 4.5     | 3                                         | 1                                        | 40       | TO-252-4 |
|             | -40                             | ±20                            | -12                 | 0.065                                           | -4.5    | -3                                        | -1                                       | -40      |          |

|          |      |     |      |       |      |      |    |      |      |
|----------|------|-----|------|-------|------|------|----|------|------|
| 4501JGP  | 20   | ±12 | 8.3  | 0.018 | 4.5  | 1.5  | 1  | 20   | SO-8 |
|          | -20  | ±12 | -5   | 0.042 | -4.5 | -1.5 | -1 | -20  |      |
| 4532JGP  | 30   | ±20 | 4.7  | 0.085 | 4.5  | 3    | 1  | 30   | SO-8 |
|          | -30  | ±20 | -4.5 | 0.135 | -4.5 | -3   | -1 | -30  |      |
| 4539JGP  | 30   | ±20 | 5.8  | 0.055 | 4.5  | 3    | 1  | 30   | SO-8 |
|          | -30  | ±20 | -4.9 | 0.095 | -4.5 | -3   | -1 | -30  |      |
| 4559JGP  | 60   | ±20 | 4.5  | 0.075 | 4.5  | 3    | 1  | 48   | SO-8 |
|          | -60  | ±20 | -3.5 | 0.16  | -4.5 | -3   | -1 | -48  |      |
| 4600JGP  | 30   | ±20 | 7.3  | 0.032 | 4.5  | 3    | 1  | 30   | SO-8 |
|          | -30  | ±20 | -4.6 | 0.09  | -4.5 | -3   | -1 | -30  |      |
| 7350JGP  | 100  | ±20 | 2.6  | 0.19  | 10   | 4    | 1  | 100  | SO-8 |
|          | -100 | ±20 | -2   | 0.32  | -10  | -4   | -1 | -100 |      |
| 8401JGP  | 30   | ±20 | 7.5  | 0.03  | 4.5  | 3    | 1  | 30   | SO-8 |
|          | -30  | ±20 | -5   | 0.075 | -4.5 | -3   | -1 | -30  |      |
| 8938JGP  | 30   | ±20 | 7    | 0.038 | 4.5  | 3    | 1  | 24   | SO-8 |
|          | -30  | ±20 | -6   | 0.057 | -4.5 | -3   | -1 | -24  |      |
| 8958JGP  | 30   | ±20 | 7    | 0.04  | 4.5  | 3    | 1  | 24   | SO-8 |
|          | -30  | ±20 | -5.2 | 0.08  | -4.5 | -3   | -1 | -24  |      |
| 8968JGP  | 30   | ±20 | 7    | 0.04  | 4.5  | 3    | 1  | 24   | SO-8 |
|          | -30  | ±20 | -6.2 | 0.052 | -4.5 | -3   | -1 | -24  |      |
| 9939AJGP | 30   | ±20 | 7    | 0.042 | 4.5  | 3    | 1  | 30   | SO-8 |
|          | -30  | ±20 | -3.5 | 0.16  | -4.5 | -3   | -1 | -24  |      |
| 9952AJGP | 30   | ±20 | 3.7  | 0.11  | 4.5  | 3    | 1  | 24   | SO-8 |
|          | -30  | ±20 | -2.9 | 0.15  | -4.5 | -3   | -1 | -24  |      |



| Part Number | Description       |          |
|-------------|-------------------|----------|
| N8N60E3     | Power MOSFET      | TO-220   |
| N1N60A3     | MOSFET            | TO-92    |
| DNK2N6      | Dual N Mosfet     | SOT-26   |
| DK5S6R      | ESD DUAL N-MOSFET | SOT-363  |
| B40P06J3    | POWER MOSFET      | TO-252   |
| P9006E3     | POWER MOSFET      | TO-220   |
| P452L3      | POWER MOSFET      | SOT-223  |
| P3LP01N3    | POWER MOSFET      | SOT-23   |
| NK5N3       | POWER MOSFET      | SOT-23   |
| NK3S3       | POWER MOSFET      | SOT-323  |
| NK3N3       | POWER MOSFET      | SOT-23   |
| NK2N3       | POWER MOSFET      | SOT-23   |
| N8N65E3     | POWER MOSFET      | TO-220   |
| N8N50E3     | POWER MOSFET      | TO-220   |
| N6N65FP     | POWER MOSFET      | TO-220FP |
| N6515J3     | POWER MOSFET      | TO-252   |
| N6515E3     | POWER MOSFET      | TO-220   |
| N5N65FP     | POWER MOSFET      | TO-220FP |
| N5N60J3     | POWER MOSFET      | TO-252   |
| N5N60I3     | POWER MOSFET      | TO-251   |
| N5N60E3     | POWER MOSFET      | TO-220   |
| N5N50J3     | POWER MOSFET      | TO-252   |
| N5N50I3     | POWER MOSFET      | TO-251   |
| N5N50E3     | POWER MOSFET      | TO-220   |
| N4N65I3     | POWER MOSFET      | TO-251   |
| N4N65FP     | POWER MOSFET      | TO-220FP |
| N4N60J3     | POWER MOSFET      | TO-252   |
| N4N60I3     | POWER MOSFET      | TO-251   |
| N3N60J3     | POWER MOSFET      | TO-252   |
| N3N60I3     | POWER MOSFET      | TO-251   |
| N3N60FP     | POWER MOSFET      | TO-220FP |
| N3418N3     | POWER MOSFET      | SOT-23   |
| N2N65J3     | POWER MOSFET      | TO-252   |
| N2N65I3     | POWER MOSFET      | TO-251   |
| N2N60J3     | POWER MOSFET      | TO-252   |
| N2572F3     | POWER MOSFET      | TO-263   |
| N2510J3     | POWER MOSFET      | TO-252   |
| N2510F3     | POWER MOSFET      | TO-263   |
| N2510E3     | POWER MOSFET      | TO-220   |
| N20N20F3    | POWER MOSFET      | TO-263   |
| N15N50F3    | POWER MOSFET      | TO-263   |
| N10N65EA    | POWER MOSFET      | SOT-82   |

|                  |                  |           |
|------------------|------------------|-----------|
| <b>N12N65FP</b>  | POWER MOSFET     | TO-220FP  |
| <b>B60N06L3</b>  | POWER MOSFET     | SOT-223   |
| <b>NN20N03Q8</b> | POWER MOSFET     | SOP 8     |
| <b>NN18N03Q8</b> | POWER MOSFET     | SOP 8     |
| <b>BA5C10Q8</b>  | MOSFET           | SOP 8     |
| <b>BB5B10Q8</b>  | Power MOSFET     | SOP-8     |
| <b>BA5A10Q8</b>  | Power MOSFET     | SOP-8     |
| <b>BSS84N3</b>   | MOSFET           | SOT-23    |
| <b>NK1S3</b>     | N-CHANNEL MOSFET | SOT-323   |
| <b>2SK3018S3</b> | N-CHANNEL MOSFET | SOT-323   |
| <b>N14N60FP</b>  | POWER MOSFET     | TO-220FP  |
| <b>N3055L3</b>   | Mode MOSFET      | SOT-223   |
| <b>B03N03H8</b>  | Power MOSFET     | EDFN5x5   |
| <b>B06N03V8</b>  | Power MOSFET     | EDFN3x3   |
| <b>N7002ZHS3</b> | N POWER MOSFET   | SOT323    |
| <b>N13N50E3</b>  | POWER MOSFET     | TO220     |
| <b>N10N60E3</b>  | POWER MOSFET     | TO220     |
| <b>N5N60FP</b>   | POWER MOSFET     | TO220FP   |
| <b>DN9971Q8</b>  | POWER MOSFET     | SO8       |
| <b>DN4224Q8</b>  | POWER MOSFET     | SO8       |
| <b>DN3018S6R</b> | POWER MOSFET     | SOT363    |
| <b>DK3S6R</b>    | POWER MOSFET     | SOT363    |
| <b>DK1S6R</b>    | POWER MOSFET     | SOT363    |
| <b>C5806Q8</b>   | POWER MOSFET     | SO8       |
| <b>C4505Q8</b>   | POWER MOSFET     | SO8       |
| <b>C2804Q8</b>   | POWER MOSFET     | SO8       |
| <b>BB0P10J3</b>  | POWER MOSFET     | TO252     |
| <b>BA5N10J3</b>  | POWER MOSFET     | TO252     |
| <b>B90P06J3</b>  | POWER MOSFET     | TO252     |
| <b>B60N06J3</b>  | POWER MOSFET     | TO252     |
| <b>B55N03N3</b>  | POWER MOSFET     | SOT23     |
| <b>B45A06Q8</b>  | POWER MOSFET     | SO8       |
| <b>B44P04J3</b>  | POWER MOSFET     | TO252     |
| <b>B35N04J3</b>  | POWER MOSFET     | TO252     |
| <b>B20N03Q8</b>  | POWER MOSFET     | SO8       |
| <b>B17A03Q8</b>  | POWER MOSFET     | SO8       |
| <b>B16P04J3</b>  | POWER MOSFET     | TO252     |
| <b>B14P03Q8</b>  | POWER MOSFET     | SO8       |
| <b>B13N03Q8</b>  | POWER MOSFET     | SO8       |
| <b>B12P04J3</b>  | POWER MOSFET     | TO252     |
| <b>B12N04J3</b>  | POWER MOSFET     | TO252     |
| <b>B12N03Q8</b>  | POWER MOSFET     | SO8       |
| <b>B11N03Q8</b>  | POWER MOSFET     | SO8       |
| <b>B09N03H8</b>  | POWER MOSFET     | POWER PAK |
| <b>B07P03Q8</b>  | POWER MOSFET     | SO8       |



|                    |                            |            |
|--------------------|----------------------------|------------|
| <b>B06N03Q8</b>    | POWER MOSFET               | SO8        |
| <b>B06N03J3</b>    | POWER MOSFET               | TO252      |
| <b>A06N03J3</b>    | POWER MOSFET               | TO252      |
| <b>B06N03H8</b>    | POWER MOSFET               | POWER PAKE |
| <b>MSFA0M02X8</b>  | POWER MOSFET               | DFN3X2     |
| <b>DN7002S6R</b>   | POWER MOSFET               | SOT363     |
| <b>DN7002ZHS6R</b> | POWER MOSFET               | SOT363     |
| <b>N7000ZHA3</b>   | POWER MOSFET               | TO92       |
| <b>P162M3</b>      | POWER MOSFET               | SOT89      |
| <b>P2303N3</b>     | POWER MOSFET               | SOT23      |
| <b>P2603G6</b>     | POWER MOSFET               | TSOP6      |
| <b>P2603N6</b>     | POWER MOSFET               | SOT26      |
| <b>P3403N3</b>     | POWER MOSFET               | SOT23      |
| <b>P9575L3</b>     | POWER MOSFET               | SOT223     |
| <b>P9575Q8</b>     | POWER MOSFET               | SO8        |
| <b>N2002ZS3</b>    | POWER MOSFET               | SOT323     |
| <b>N2310N3</b>     | POWER MOSFET               | SOT23      |
| <b>N3205E3</b>     | POWER MOSFET               | TO220      |
| <b>NK1N3</b>       | POWER MOSFET               | SOT23      |
| <b>N2306AN3</b>    | POWER MOSFET               | SOT23      |
| <b>N1308E3</b>     | POWER MOSFET               | TO220      |
| <b>MEP4435Q8</b>   | POWER MOSFET               | SO8        |
| <b>MEN9973J3</b>   | POWER MOSFET               | TO252      |
| <b>N7002ZHN3</b>   | POWER MOSFET               | SOT23      |
| <b>N10N65FP</b>    | POWER MOSFET               | TO220FP    |
| <b>N7N65FP</b>     | POWER MOSFET               | TO220FP    |
| <b>N2N60FP</b>     | POWER MOSFET               | TO220FP    |
| <b>N10N60FP</b>    | POWER MOSFET               | TO220FP    |
| <b>N8N60FP</b>     | POWER MOSFET               | TO220FP    |
| <b>N7N60FP</b>     | POWER MOSFET               | TO220FP    |
| <b>N4N60FP</b>     | POWER MOSFET               | TO220FP    |
| <b>N13N50FP</b>    | POWER MOSFET               | TO220FP    |
| <b>N50N06E3</b>    | POWER MOSFET               | TO220      |
| <b>N8N65FP</b>     | N-Channel Enhancement Mode | TO220FP    |
| <b>N2302V3</b>     | Power MOSFETS              | TSOT-23    |
| <b>N2572J3</b>     | Power MOSFETS              | TO-252     |
| <b>N3410J3</b>     | Power MOSFETS              | TO-252     |
| <b>N9971J3</b>     | Power MOSFETS              | TO-252     |
| <b>N9973J3</b>     | Power MOSFETS              | TO-252     |
| <b>N20NF06J3</b>   | Power MOSFETS              | TO-252     |
| <b>N2N60I3</b>     | Power MOSFETS              | TO-251     |
| <b>N1N65I3</b>     | Power MOSFETS              | TO-251     |
| <b>MEN9971J3</b>   | Power MOSFETS              | TO-252     |
| <b>MEN09N03BJ3</b> | Power MOSFETS              | TO-252     |
| <b>P9575J3</b>     | Power MOSFETS              | TO-252     |

|                    |                   |         |
|--------------------|-------------------|---------|
| <b>N7000ZA3</b>    | Low Power MOSFETS | TO-92   |
| <b>C3585N6</b>     | Low Power MOSFETS | SOT-26  |
| <b>P2305N3</b>     | Low Power MOSFETS | SOT-23  |
| <b>P3403AN3</b>    | Low Power MOSFETS | SOT-23  |
| <b>P3401N3</b>     | Low Power MOSFETS | SOT-23  |
| <b>P2301N3</b>     | Low Power MOSFETS | SOT-23  |
| <b>N351AN3</b>     | Low Power MOSFETS | SOT-23  |
| <b>N2300N3</b>     | Low Power MOSFETS | SOT-23  |
| <b>N3400N3</b>     | Low Power MOSFETS | SOT-23  |
| <b>P405J3</b>      | Low Power MOSFETS | TO-252  |
| <b>N40N03J3</b>    | Low Power MOSFETS | TO-252  |
| <b>N35N03J3</b>    | Low Power MOSFETS | TO-252  |
| <b>N3055J3</b>     | Low Power MOSFETS | TO-252  |
| <b>N2310M3</b>     | Low Power MOSFETS | SOT-89  |
| <b>P2603Q6</b>     | Low Power MOSFETS | TSOP-6  |
| <b>P9435Q8</b>     | Low Power MOSFETS | SO-8    |
| <b>P9435BDYQ8</b>  | Low Power MOSFETS | SO-8    |
| <b>P4953Q8</b>     | Low Power MOSFETS | SO-8    |
| <b>DP4953Q8</b>    | Low Power MOSFETS | SO-8    |
| <b>DP4953BDYQ8</b> | Low Power MOSFETS | SO-8    |
| <b>C4503Q8</b>     | Low Power MOSFETS | SO-8    |
| <b>C4501Q8</b>     | Low Power MOSFETS | SO-8    |
| <b>C3585G6</b>     | Low Power MOSFETS | TSOP-26 |
| <b>N7002ZN3</b>    | Low Power MOSFETS | SOT-23  |
| <b>N7002S3</b>     | Low Power MOSFETS | SOT-323 |
| <b>N7002N3</b>     | Low Power MOSFETS | SOT-23  |
| <b>N7000A3</b>     | Low Power MOSFETS | TO-92   |
| <b>N2302N3</b>     | Low Power MOSFETS | SOT-23  |
| <b>N0401LA3</b>    | Low Power MOSFETS | TO-92   |



| Part Number | VDSS [V] | ID [A] | RDS(ON) [ $\Omega$ ] | VGS(th) [V] | Package |
|-------------|----------|--------|----------------------|-------------|---------|
| 3P02        | -20      | -3.2   | 0.085                | -0.4 ~ -1.5 | SOT-23  |
| 3N02        | 20       | 2.8    | 0.065                | 0.65-1.2    | SOT-23  |
| 6N02        | 20       | 6      | 0.04                 | 0.5-1.0     | SOT-23  |
| 5HB03N8     | 30       | 4.98   | 0.025                | 1.0-3.0     | SOP-8   |
| 5N03        | 30       | 5.8    | 0.033                | 0.7-1.4     | SOT-23  |
| 5P03        | -30      | -4.3   | 0.058                | -0.6~ -1.3  | SOT-23  |
| EL3205      | 50       | 110    | 0.008                | 2-4         | TO-220  |
| EL3205T     | 60       | 109    | 0.008                | 2-4         | TO-220  |
| W064N       | 60       | 109    | 0.008                | 2-4         | TO-247  |
| 50N06       | 60       | 50     | 0.022                | 2-4         | TO-220  |
| EL50N06     | 60       | 50     | 0.022                | 2-4         | TO-220  |
| EL50N06C    | 60       | 50     | 0.023                | 2-4         | TO-220  |
| 70N06       | 60       | 70     | 0.014                | 2-4         | TO-220  |
| EL70N06     | 60       | 70     | 0.014                | 2-4         | TO-220  |
| EL70N06T    | 60       | 68     | 0.018                | 2-4         | TO-220  |
| 3710G       | 100      | 59     | 0.018                | 2-4         | TO-220  |
| EL630       | 200      | 9      | 0.4                  | 2-4         | TO-220  |
| EL9N20      | 200      | 9      | 0.4                  | 2-4         | TO-220  |
| F630        | 200      | 9      | 0.4                  | 2-4         | TO-220F |
| EL640       | 200      | 18     | 0.18                 | 2-4         | TO-220  |
| EL18N20     | 200      | 18     | 0.18                 | 2-4         | TO-220  |
| F640        | 200      | 18     | 0.18                 | 2-4         | TO-220F |
| EL650       | 200      | 28     | 0.09                 | 2-4         | TO-220  |
| EL634       | 250      | 9      | 0.45                 | 2-4         | TO-220  |
| F634        | 250      | 9      | 0.45                 | 2-4         | TO-220F |
| 40N25W      | 250      | 40     | 0.068                | 3-5         | TO-247  |
| F730        | 400      | 5.5    | 1                    | 2-4         | TO-220F |
| EL730       | 400      | 5.5    | 1                    | 2-4         | TO-220  |
| F730        | 400      | 5.5    | 1                    | 2-4         | TO-220F |
| P740        | 400      | 10     | 0.55                 | 2-4         | TO-220  |
| U730        | 400      | 5.5    | 1                    | 2-4         | IPAK    |
| F740        | 400      | 10     | 0.55                 | 2-4         | TO-220F |
| EL740       | 400      | 10     | 0.55                 | 2-4         | TO-220  |
| F740        | 400      | 10     | 0.55                 | 2-4         | TO-220F |
| EL830B      | 500      | 5      | 1.6                  | 3-4.5       | TO-220  |
| D830B       | 500      | 5      | 1.6                  | 3-4.5       | DPAK    |
| E2698       | 500      | 18     | 0.27                 | 3-5         | TO-247  |
| E2698B      | 500      | 18     | 0.27                 | 3-5         | TO-3PB  |
| E2837       | 500      | 24     | 0.19                 | 3-5         | TO-247  |
| E2837B      | 500      | 24     | 0.19                 | 3-5         | TO3PB   |
| EL5N50      | 500      | 5      | 1.6                  | 3-4.5       | TO-220  |
| D5N50       | 500      | 5      | 1.6                  | 3-4.5       | DPAK    |
| U5N50       | 500      | 5      | 1.6                  | 3-4.5       | IPAK    |
| EL830       | 500      | 4.5    | 1.5                  | 2-4         | TO-220  |
| F830        | 500      | 4.5    | 1.5                  | 2-4         | TO-220F |
| D830        | 500      | 4.5    | 1.5                  | 2-4         | DPAK    |
| U830        | 500      | 4.5    | 1.5                  | 2-4         | IPAK    |
| EL840       | 500      | 8      | 0.8                  | 2-4         | TO-220  |
| F840        | 500      | 8      | 0.8                  | 2-4         | TO-220F |

|         |     |     |      |       |         |
|---------|-----|-----|------|-------|---------|
| F9N50   | 500 | 9   | 0.75 | 3-5   | TO-220F |
| F840B   | 500 | 9   | 0.75 | 3-5   | TO-220F |
| EL840B  | 500 | 9   | 0.75 | 3-5   | TO-220  |
| 13N50   | 500 | 13  | 0.46 | 3-4.5 | TO-220  |
| EL13N50 | 500 | 13  | 0.46 | 3-4.5 | TO-220  |
| F13N50  | 500 | 13  | 0.46 | 3-4.5 | TO-220F |
| W13N50  | 500 | 13  | 0.46 | 3-4.5 | TO-3P   |
| EL18N50 | 500 | 18  | 0.27 | 3-5   | TO-220  |
| F18N50  | 500 | 18  | 0.27 | 3-5   | TO-220F |
| 18N50N  | 500 | 18  | 0.27 | 3-5   | TO-3PN  |
| 18N50W  | 500 | 18  | 0.27 | 3-5   | TO-247  |
| 24N50N  | 500 | 24  | 0.19 | 3-5   | TO-3PN  |
| 24N50W  | 500 | 24  | 0.19 | 3-5   | TO-247  |
| N1N60N  | 600 | 0.5 | 15   | 2-4   | TO-92   |
| D1N60   | 600 | 1.3 | 8.5  | 2-4   | TO-252  |
| N1N60   | 600 | 1.3 | 8.5  | 2-4   | TO-92   |
| U1N60   | 600 | 1.3 | 8.5  | 2-4   | TO-251  |
| U1N60N  | 600 | 1   | 15   | 2-4   | TO-251  |
| D2N60   | 600 | 2   | 5    | 2-4   | TO-252  |
| D2N60B  | 600 | 2   | 5    | 2-4   | TO-252  |
| U2N60   | 600 | 2   | 5    | 2-4   | TO-251  |
| U2N60B  | 600 | 2   | 5    | 2-4   | TO-251  |
| F2N60   | 600 | 2   | 5    | 2-4   | TO-220F |
| EL2N60B | 600 | 2   | 5    | 2-4   | TO-220  |
| 2N60B   | 600 | 2   | 5    | 2-4   | TO-220F |
| 4N60    | 600 | 4   | 2.5  | 2-4   | TO-220F |
| EL4N60  | 600 | 4   | 2.5  | 2-4   | TO-220  |
| F4N60   | 600 | 4   | 2.5  | 2-4   | TO-220F |
| D4N60   | 600 | 4   | 2.5  | 2-4   | DPAK    |
| U4N60   | 600 | 4   | 2.5  | 2-4   | IPAK    |
| D4N60B  | 600 | 4   | 2.4  | 2-4   | DPAK    |
| D5N60B  | 600 | 4.5 | 2.4  | 2-4   | DPAK    |
| U5N60B  | 600 | 4.5 | 2.4  | 2-4   | IPAK    |
| EL5N60  | 600 | 4.5 | 2.5  | 2-4   | TO-220  |
| F5N60B  | 600 | 4.5 | 2.4  | 2-4   | TO-220F |
| EL5N60B | 600 | 4.5 | 2.4  | 2-4   | TO-220  |
| F5N60C  | 600 | 4.5 | 2.5  | 2-4   | TO-220F |
| D5N60C  | 600 | 4.5 | 2.5  | 2-4   | DPAK    |
| F5N60   | 600 | 4.5 | 2.5  | 2-4   | TO-220F |
| U5N60   | 600 | 4.5 | 2.5  | 2-4   | IPAK    |
| 7N60    | 600 | 7   | 1.2  | 2-4   | TO-220F |
| EL7N60  | 600 | 7   | 1.2  | 2-4   | TO-220  |
| F7N60   | 600 | 7   | 1.2  | 2-4   | TO-220F |
| EL8N60  | 600 | 7.5 | 1.2  | 2-4   | TO-220  |
| F8N60B  | 600 | 7.5 | 1.2  | 2-4   | TO-220F |
| EL8N60B | 600 | 7.5 | 1.2  | 2-4   | TO-220  |
| F8N60   | 600 | 7.5 | 1.2  | 2-4   | TO-220F |
| EL10N60 | 600 | 10  | 0.75 | 3-4.5 | TO-220  |
| F10N60  | 600 | 10  | 0.75 | 3-4.5 | TO-220F |
| EL12N60 | 600 | 12  | 0.65 | 3-4.5 | TO-220  |
| F12N60  | 600 | 12  | 0.65 | 3-4.5 | TO-220F |
| F15N60  | 600 | 15  | 0.52 | 3-5   | TO-220F |
| F20N60  | 600 | 20  | 0.39 | 3-5   | TO-220F |

|            |     |     |      |         |         |
|------------|-----|-----|------|---------|---------|
| 20N60W     | 600 | 20  | 0.39 | 3-5     | TO-247  |
| F20N60S    | 600 | 20  | 0.2  | 2.5-3.5 | TO-220F |
| EL2N60     | 600 | 2   | 5    | 2-4     | TO-220  |
| F2N65      | 650 | 2   | 5    | 2-4     | TO-220F |
| F2N65B     | 650 | 2   | 5    | 2-4     | TO-220F |
| F5N65B     | 650 | 4.5 | 2.5  | 2-4     | TO-220F |
| J5N65B     | 650 | 4.5 | 2.5  | 2-4     | TO-262  |
| F8N65B     | 650 | 7.5 | 1.3  | 2-4     | TO-220F |
| EL10N65    | 650 | 10  | 0.95 | 3-4.5   | TO-220  |
| F10N65     | 650 | 10  | 0.95 | 3-4.5   | TO-220F |
| 12N65      | 650 | 12  | 0.78 | 3-4.5   | TO-220  |
| EL12N65    | 650 | 12  | 0.78 | 3-4.5   | TO-220  |
| F12N65     | 650 | 12  | 0.78 | 3-4.5   | TO-220F |
| EL5N80     | 800 | 4.5 | 2.5  | 2-4     | TO-220  |
| F5N80      | 800 | 4.5 | 2.5  | 2-4     | TO-220F |
| 9N90       | 900 | 9   | 1.35 | 3-5     | TO-3PN  |
| F9N90      | 900 | 9   | 1.35 | 3-5     | TO-220F |
| 9N90W      | 900 | 9   | 1.35 | 3-5     | TO-247  |
| E2611SB    | 900 | 9   | 1.35 | 3-5     | TO-3PB  |
| E2611S     | 900 | 9   | 1.35 | 3-5     | TO-247  |
| E2611      | 900 | 11  | 1.10 | 3-5     | TO-247  |
| E2611B     | 900 | 11  | 1.1  | 3-5     | TO-3PB  |
| FQP10N20   |     |     |      |         |         |
| FQP19N20/C |     |     |      |         |         |
| FQP6N40C   |     |     |      |         |         |
| FQP5N50C   |     |     |      |         |         |
| FQP11N40C  |     |     |      |         |         |
| FQP9N50/C  |     |     |      |         |         |
| FQP45N03L  |     |     |      |         |         |
| FQP95N03L  |     |     |      |         |         |
| FQP50N06   |     |     |      |         |         |
| FQP30N06   |     |     |      |         |         |
| RFZ70N06   |     |     |      |         |         |
| FQP60N03L  |     |     |      |         |         |
| FQD30N06   |     |     |      |         |         |
| FQD45N03L  |     |     |      |         |         |
| FQD60N03L  |     |     |      |         |         |
| FD4410     |     |     |      |         |         |
| FDS6912A   |     |     |      |         |         |
| FDS6690S   |     |     |      |         |         |
| FQP2N60    |     |     |      |         |         |
| FQP4N60    |     |     |      |         |         |
| FQP7N60    |     |     |      |         |         |
| FQPF2N60   |     |     |      |         |         |
| FQPF4N60   |     |     |      |         |         |
| FQPF7N60   |     |     |      |         |         |
| IRF630     |     |     |      |         |         |
| IRF640     |     |     |      |         |         |
| IRF730     |     |     |      |         |         |
| IRF830     |     |     |      |         |         |
| IRF740     |     |     |      |         |         |
| IRF840     |     |     |      |         |         |
| IRL2203N   |     |     |      |         |         |

|            |  |  |  |  |  |
|------------|--|--|--|--|--|
| IRFZ44N    |  |  |  |  |  |
| IRFZ34N    |  |  |  |  |  |
| IRFZ48N    |  |  |  |  |  |
| IRF3707    |  |  |  |  |  |
| IRFR3703   |  |  |  |  |  |
| SI4410DY   |  |  |  |  |  |
| IRF7313    |  |  |  |  |  |
| IR7403     |  |  |  |  |  |
| STP7NB40   |  |  |  |  |  |
| STP6NB50   |  |  |  |  |  |
| STP11NB40  |  |  |  |  |  |
| STP9NB50   |  |  |  |  |  |
| STP40NF03L |  |  |  |  |  |
| STP90NF06L |  |  |  |  |  |
| STP60NF06  |  |  |  |  |  |
| STP30N06   |  |  |  |  |  |
| STP90N03L  |  |  |  |  |  |
| STD30NF06  |  |  |  |  |  |
| STD40NF03L |  |  |  |  |  |
| STS11NF30L |  |  |  |  |  |
| STS9NF3LL  |  |  |  |  |  |
| 2SK2542    |  |  |  |  |  |
| 2SK2611    |  |  |  |  |  |
| 2SK2698    |  |  |  |  |  |
| 2SK2837    |  |  |  |  |  |



| Part Number | Package | BVDSS<br>(V) | RDS(on)m<br>Ω@10V | RDS(on)m<br>Ω@5V | RDS(on)m<br>Ω@4.5V | RDS(on)m<br>Ω@2.5V | ID (A) | Qg(nC)@4.5<br>V(typ) | Qg(nC)@<br>10V(typ) | RθJC (°C/W) | PD(W) | Configuratio<br>n |
|-------------|---------|--------------|-------------------|------------------|--------------------|--------------------|--------|----------------------|---------------------|-------------|-------|-------------------|
| B21A2       | TO-263  | 20           | -                 | -                | 40                 | 70                 | 25     | 11                   | -                   | 3.5         | 43    | Single            |
| B75A3       | TO-263  | 25           | 9                 | -                | 13                 | -                  | 69     | 9.8                  | -                   | 2.2         | 68    | Single            |
| B85A3       | TO-263  | 25           | 6                 | -                | 9                  | -                  | 90     | 17                   | -                   | 1.4         | 89    | Single            |
| C8218       | DFN3*3  | 20           | -                 | -                | 23                 | 34                 | 6.5    | -                    | 4.2                 | 83          | 6.5   | Dual              |
| D21A2       | TO-251  | 20           | -                 | -                | 40                 | 70                 | 20     | 11                   | -                   | 4           | 38    | Single            |
| D75A3       | TO-251  | 25           | 9                 | -                | 13                 | -                  | 60     | 10                   | -                   | 2.7         | 56    | Single            |
| D85A3       | TO-251  | 25           | 6                 | -                | 9                  | -                  | 80     | 17                   | -                   | 1.8         | 70    | Single            |
| G2288       | TSSOP-8 | 20           | -                 | -                | 24                 | 34                 | 6.2    | 8.2                  | -                   | 100         | 1.3   | Single            |
| G8205A      | TSSOP-8 | 20           | -                 | -                | 25                 | 35                 | 6      | 6.8                  | -                   | 83          | 1.5   | Dual              |
| G8208       | TSSOP-8 | 20           | -                 | -                | 22                 | 32                 | 6.5    | 4.3                  | -                   | 83          | 1.5   | Single            |
| H2288       | TSOP-6  | 20           | -                 | -                | 26                 | 35                 | 5.2    | 8.2                  | -                   | -           | 1.1   | Dual              |
| H8205       | TSOP-6  | 20           | -                 | -                | 30                 | 40                 | 5.2    | 8.2                  | -                   | 110         | 1.1   | Single            |
| M2182       | SO-8    | 20           | -                 | -                | 18                 | 24                 | 9.3    | 4.2                  | -                   | 50          | 2.5   | Single            |
| M8208       | SO-8    | 20           | -                 | -                | 22                 | 32                 | 7      | 4.2                  | -                   | 62.5        | 2     | Dual              |
| M9926A      | SO-8    | 20           | -                 | -                | 27                 | 40                 | 6      | 6.8                  | -                   | 62.5        | 2     | Dual              |
| M9935A      | SO-8    | 20           | 36                | -                | 42                 | 75                 | 6      | 11                   | -                   | 62.5        | 2     | Dual              |
| P21A2       | TO-220  | 20           | -                 | -                | 40                 | 70                 | 25     | 11                   | -                   | 3.5         | 43    | Single            |
| P75A3       | TO-220  | 25           | 9                 | -                | 13                 | -                  | 69     | 9.8                  | -                   | 2.2         | 62.5  | Single            |
| P85A3       | TO-220  | 25           | 6                 | -                | 9                  | -                  | 90     | -                    | 17                  | 1.4         | 89    | Single            |
| S2302       | SOT-23  | 20           | -                 | -                | 72                 | 110                | 3      | 5.1                  | -                   | 100         | 1.3   | Single            |
| S2306       | SOT-23  | 20           | -                 | -                | 60                 | 80                 | 3.6    | 5                    | -                   | 100         | 1.3   | Single            |
| S2308       | SOT-23  | 20           | -                 | -                | 27                 | 36                 | 5.4    | 4.3                  | -                   | -           | 1.3   | Single            |
| S2312       | SOT-23  | 20           | -                 | -                | 33                 | 40                 | 4.5    | 10                   | -                   | 100         | 1.3   | Single            |
| S2324       | SOT-23  | 20           | -                 | -                | 45                 | 80                 | 4.2    | -                    | 10                  | 1.3         | -     | Single            |
| U21A2       | TO-252  | 20           | -                 | -                | 40                 | 70                 | 20     | 11                   | -                   | 4           | 38    | Single            |
| U75A3       | TO-252  | 25           | 9                 | -                | 13                 | -                  | 60     | 10                   | -                   | 2.7         | 56    | Single            |
| U85A3       | TO-252  | 25           | 6                 | -                | 9                  | -                  | 80     | 17                   | -                   | 1.8         | 70    | Single            |
| V2306       | SOT-323 | 20           | -                 | -                | 65                 | 85                 | 2      | -                    | 5                   | -           | 0.4   | Single            |

| Part Number | Package | BVDSS<br>(V) | RDS(on)m<br>Ω@10V | RDS(on)m<br>Ω@5V | RDS(on)m<br>Ω@4.5V | RDS(on)m<br>Ω@2.5V | ID (A) | Qg(nC)@4.5<br>V(typ) | Qg(nC)@<br>10V(typ) | RθJC (°C/W) | PD(W) | Configuratio<br>n |
|-------------|---------|--------------|-------------------|------------------|--------------------|--------------------|--------|----------------------|---------------------|-------------|-------|-------------------|
| A3252       | SOT-89  | 30           | 32                | -                | 45                 | -                  | 5      | -                    | 12.3                | -           | 1.3   | Single            |
| B14A04      | TO-263  | 40           | 5                 | -                | -                  | -                  | 180    | -                    | 110                 | 0.8         | 200   | Single            |
| B14G04      | TO-263  | 40           | 3.6               | -                | 6.5                | -                  | 140    | -                    | 50                  | 1.5         | 100   | Single            |
| B15A03      | TO-263  | 30           | 4.5               | -                | -                  | -                  | 190    | -                    | 114.7               | 0.8         | 200   | Single            |
| B20A03      | TO-263  | 30           | 2                 | -                | 3                  | -                  | 197    | 96                   | -                   | 0.9         | 139   | Single            |
| B3060       | TO-263  | 30           | 6                 | -                | 8                  | -                  | 105    | 15.8                 | -                   | 1.2         | 125   | Single            |
| B3120       | TO-263  | 30           | 15                | -                | 22                 | -                  | 40     | -                    | 13.1                | 3.5         | 43    | Single            |
| B73A3G      | TO-263  | 30           | 9                 | -                | 16                 | -                  | 62     | -                    | 22                  | 2           | 75    | Single            |
| B83A3       | TO-263  | 30           | 5.3               | -                | 8                  | -                  | 100    | 53                   | -                   | 1.5         | 100   | Single            |
| B83A3G      | TO-263  | 30           | 4.2               | -                | 6.2                | -                  | 102    | 37                   | -                   | 1.8         | 83    | Single            |
| B84A4       | TO-263  | 40           | 5.1               | -                | 7.8                | -                  | 90     | -                    | 67                  | 2.1         | 71    | Single            |
| D14G04      | TO-251  | 40           | 3.8               | -                | 6.8                | -                  | 125    | -                    | 50                  | 1.8         | 83    | Single            |
| D3060       | TO-251  | 30           | 6.6               | -                | 9.5                | -                  | 75     | 15.6                 | -                   | 2           | 62.5  | Single            |
| D3100       | TO-251  | 30           | 10                | -                | 17                 | -                  | 51     | -                    | 13.3                | 2.7         | 46    | Single            |
| D3120       | TO-251  | 30           | 15                | -                | 22                 | -                  | 36     | -                    | 13.3                | 3.8         | 33    | Single            |
| D3172       | TO-251  | 30           | 20                | -                | 32                 | -                  | 36     | 7.8                  | -                   | 3           | 42    | Single            |
| D3252       | TO-251  | 30           | 28                | -                | 39                 | -                  | 25     | -                    | 13.8                | 4           | 31    | Single            |
| D4204       | TO-251  | 40           | 28                | -                | 42                 | -                  | 24     | -                    | 13                  | 4.3         | 29    | Single            |
| D73A3G      | TO-251  | 30           | 9                 | -                | 18.5               | -                  | 57     | -                    | 22                  | 2.2         | 57    | Single            |
| D83A3       | TO-251  | 30           | 6                 | -                | 9                  | -                  | 80     | 50                   | -                   | 1.8         | 70    | Single            |
| D83A3G      | TO-251  | 30           | 4.2               | -                | 6.2                | -                  | 93     | 37                   | -                   | 2           | 75    | Single            |
| D84A4       | TO-251  | 40           | 5.1               | -                | 7.8                | -                  | 80     | 67                   | -                   | 2.6         | 57.7  | Single            |
| D93A3       | TO-251  | 30           | 3.2               | -                | 7                  | -                  | 125    | 60                   | -                   | 2.2         | 57    | Single            |
| H2310       | TSOP-6  | 30           | 33                | -                | 38                 | 55                 | 6.2    | -                    | 10                  | -           | 2     | Single            |
| H2316       | TSOP-6  | 30           | 34                | -                | 50                 | -                  | 6      | -                    | 12.3                | 62.5        | 2     | Single            |
| M3032       | SO-8    | 30           | 4.8               | -                | 6.8                | -                  | 18     | -                    | 60                  | 50          | 2.5   | Single            |
| M3060       | SO-8    | 30           | 7.8               | -                | 11.5               | -                  | 14     | 16                   | -                   | 50          | 2.5   | Single            |
| M3120       | SO-8    | 30           | 15                | -                | 22                 | -                  | 10     | -                    | 15                  | 50          | 2.5   | Single            |
| M3128       | SO-8    | 30           | 16                | -                | 23                 | -                  | 9      | -                    | 14.8                | 62.5        | 2.5   | Dual              |
| M3138       | SO-8    | 30           | 26                | -                | 35                 | -                  | 6.9    | 19.8                 | -                   | 62.5        | 2     | Dual              |
| M3172       | SO-8    | 30           | 20                | -                | 28                 | -                  | 8.9    | 10.4                 | -                   | 50          | 2.5   | Single            |
| M3178       | SO-8    | 30           | 22                | -                | 33                 | -                  | 7.6    | 13                   | -                   | 62.5        | 2     | Dual              |
| M3252       | SO-8    | 30           | 28                | -                | 40                 | -                  | 7.5    | -                    | 13.8                | 25          | 2.5   | Single            |



|        |         |    |     |   |   |     |    |      |      |       |      |      |        |
|--------|---------|----|-----|---|---|-----|----|------|------|-------|------|------|--------|
| M3252L | SO-8    | 30 | 29  | - | - | 36  | 55 | 8    | -    | 9.2   | 50   | 2.5  | Single |
| M3254  | SO-8    | 30 | 28  | - | - | 40  | -  | 7.8  | -    | 11    | 50   | 2.5  | Single |
| M3258  | SO-8    | 30 | 28  | - | - | 40  | -  | 7    | -    | 12.3  | 62.5 | 2    | Dual   |
| M4042  | SO-8    | 40 | 5.1 | - | - | 7.5 | -  | 18   | 53   | -     | 50   | 2.5  | Single |
| M4204  | SO-8    | 40 | 28  | - | - | 42  | -  | 7.3  | -    | 13    | 50   | 2.5  | Single |
| M4228  | SO-8    | 40 | 30  | - | - | 45  | -  | 6.3  | -    | 20.5  | 62.5 | 2    | Dual   |
| M4282  | SO-8    | 40 | 36  | - | - | 48  | -  | 6.6  | -    | 6.4   | 50   | 2.5  | Single |
| M4308  | SO-8    | 40 | 38  | - | - | 50  | -  | 5.8  | 6.6  | -     | 50   | 2.5  | Single |
| M73A3G | SO-8    | 30 | 9   | - | - | 13  | -  | 12.5 | -    | 22    | 50   | 2.5  | Single |
| M8809  | SO-8    | 30 | 6   | - | - | 7.5 | -  | 16   | -    | 72    | 50   | 2.5  | Single |
| M9436A | SO-8    | 30 | 38  | - | - | 52  | -  | 6.2  | -    | 12    | 50   | 2.5  | Single |
| M9936A | SO-8    | 30 | 40  | - | - | 55  | -  | 5.4  | -    | 12    | 62.5 | 2    | Dual   |
| P14A04 | TO-220  | 40 | 5   | - | - | -   | -  | 180  | -    | 110   | 0.8  | 200  | Single |
| P14G04 | TO-220  | 40 | 3.6 | - | - | 6.5 | -  | 140  | -    | 50    | 1.5  | 100  | Single |
| P15A03 | TO-220  | 30 | 4.5 | - | - | -   | -  | 190  | -    | 114.7 | 0.8  | 200  | Single |
| P20A03 | TO-220  | 30 | 2   | - | - | 3   | -  | 197  | 96   | -     | 0.9  | 139  | Single |
| P3060  | TO-220  | 30 | 6   | - | - | 8   | -  | 105  | 15.8 | -     | 1.2  | 125  | Single |
| P3100  | TO-220  | 30 | 12  | - | - | 21  | -  | 47   | -    | 13.3  | 3.1  | 48   | Single |
| P3120  | TO-220  | 30 | 15  | - | - | 22  | -  | 40   | -    | 13.1  | 3.5  | 43   | Single |
| P73A3G | TO-220  | 30 | 9   | - | - | 16  | -  | 62   | -    | 22    | 2    | 75   | Single |
| P83A3  | TO-220  | 30 | 5.3 | - | - | 8   | -  | 100  | 53   | -     | 1.5  | 100  | Single |
| P83A3G | TO-220  | 30 | 4.2 | - | - | 6.2 | -  | 102  | 37   | -     | 1.8  | 83   | Single |
| P84A4  | TO-220  | 40 | 5.1 | - | - | 7.8 | -  | 90   | -    | 67    | 2.1  | 71   | Single |
| P93A3  | TO-220  | 30 | 3   | - | - | 5   | -  | 150  | 60   | -     | 1.5  | 83.3 | Single |
| S2310  | SOT-23  | 30 | 34  | - | - | 40  | 60 | 4.8  | -    | 9     | 100  | 1.3  | Single |
| S2314  | SOT-23  | 30 | 50  | - | - | 70  | -  | 4    | 5.3  | -     | 100  | 1.3  | Single |
| S2316  | SOT-23  | 30 | 34  | - | - | 50  | -  | 4.8  | -    | 12.3  | 100  | 1.3  | Single |
| S2320  | SOT-23  | 30 | 29  | - | - | 45  | -  | 5.2  | -    | 7     | 100  | 1.3  | Single |
| S2342  | SOT-23  | 40 | 45  | - | - | 58  | -  | 4.2  | -    | 13.5  | 100  | 1.3  | Single |
| T3252  | SOT-223 | 30 | 32  | - | - | 45  | -  | 8    | -    | 12.5  | -    | 3    | Single |
| U14G04 | TO-252  | 40 | 3.8 | - | - | 6.8 | -  | 125  | -    | 50    | 1.8  | 83   | Single |
| U3060  | TO-252  | 30 | 6.6 | - | - | 9.5 | -  | 75   | 15.6 | -     | 2    | 62.5 | Single |
| U3100  | TO-252  | 30 | 10  | - | - | 17  | -  | 51   | -    | 13.3  | 2.7  | 46   | Single |
| U3120  | TO-252  | 30 | 15  | - | - | 22  | -  | 36   | -    | 13.3  | 3.8  | 33   | Single |
| U3172  | TO-252  | 30 | 20  | - | - | 32  | -  | 36   | 7.8  | -     | 3    | 42   | Single |
| U3252  | TO-252  | 30 | 28  | - | - | 39  | -  | 25   | -    | 13.8  | 4    | 31   | Single |

|        |        |    |     |   |   |      |   |     |    |    |     |      |        |
|--------|--------|----|-----|---|---|------|---|-----|----|----|-----|------|--------|
| U4204  | TO-252 | 40 | 28  | - | - | 42   | - | 24  | -  | 13 | 4.3 | 29   | Single |
| U73A3G | TO-252 | 30 | 9   | - | - | 18.5 | - | 57  | -  | 22 | 2.2 | 57   | Single |
| U83A3  | TO-252 | 30 | 6   | - | - | 9    | - | 80  | 50 | -  | 1.8 | 70   | Single |
| U83A3G | TO-252 | 30 | 4.2 | - | - | 6.2  | - | 93  | 37 | -  | 2   | 75   | Single |
| U84A4  | TO-252 | 40 | 5.1 | - | - | 7.8  | - | 80  | 67 | -  | 2.6 | 57.7 | Single |
| U93A3  | TO-252 | 30 | 3.2 | - | - | 7    | - | 125 | 60 | -  | 2.2 | 57   | Single |

| Part Number | Package | BVDSS<br>(V) | RDS(on)m<br>Ω@10V | RDS(on)m<br>Ω@5V | RDS(on)m<br>Ω@4.5V | RDS(on)m<br>Ω@2.5V | ID (A) | Qg(nC)@4.5<br>V(typ) | Qg(nC)@<br>10V(typ) | RθJC (°C/W) | PD(W) | Configuratio<br>n |
|-------------|---------|--------------|-------------------|------------------|--------------------|--------------------|--------|----------------------|---------------------|-------------|-------|-------------------|
| A6200       | SOT-89  | 60           | 250               | -                | 330                | -                  | 1.8    | 2.4                  | -                   | -           | 1.3   | Single            |
| A6426       | SOT-89  | 60           | 90                | -                | 110                | -                  | 4.6    | -                    | 13                  | 42          | 3     | Single            |
| B3205       | TO-263  | 55           | 8.5               | -                | -                  | -                  | 108.5  | -                    | 102.3               | 0.8         | 200   | Single            |
| B4060A      | TO-263  | 60           | 85                | -                | -                  | -                  | 17     | -                    | 8.1                 | 3.2         | 47    | Single            |
| B4060AL     | TO-263  | 60           | 75                | 90               | -                  | -                  | 17     | -                    | 12                  | 3.5         | 43    | Single            |
| B6036       | TO-263  | 60           | 4.6               | -                | -                  | -                  | 135    | -                    | 138                 | 0.9         | 167   | Single            |
| B6056       | TO-263  | 60           | 6                 | -                | -                  | -                  | 100    | -                    | 77                  | 1.5         | 100   | Single            |
| B6060L      | TO-263  | 60           | 21                | 25               | -                  | -                  | 52.4   | -                    | 45                  | 1.2         | 120   | Single            |
| B6060N      | TO-263  | 60           | 25                | -                | -                  | -                  | 42     | -                    | 28.7                | 1.7         | 88    | Single            |
| B6086L      | TO-263  | 60           | 10                | -                | 13.5               | -                  | 72     | 32                   | -                   | 2           | 75    | Single            |
| B60N06G     | TO-263  | 60           | 16                | -                | -                  | -                  | 60     | -                    | 52                  | 1.2         | 125   | Single            |
| B6186       | TO-263  | 60           | 25                | -                | 32                 | -                  | 33     | -                    | 24                  | 3.5         | 43    | Single            |
| B6336       | TO-263  | 60           | 40                | -                | 50                 | -                  | 28     | -                    | 22.2                | 3           | 50    | Single            |
| B6426       | TO-263  | 60           | 66                | -                | 85                 | -                  | 17     | -                    | 12.9                | 3.5         | 35    | Single            |
| B75N06      | TO-263  | 60           | 12                | -                | -                  | -                  | 75     | -                    | 67.9                | 1           | 125   | Single            |
| B75N06G     | TO-263  | 60           | 13                | -                | -                  | -                  | 75     | -                    | 52                  | 1           | 150   | Single            |
| B85N75      | TO-263  | 75           | 12                | -                | -                  | -                  | 86     | -                    | 90                  | 0.8         | 200   | Single            |
| B85N75V     | TO-263  | 75           | 13                | -                | -                  | -                  | 85     | -                    | 64                  | 0.8         | 200   | Single            |
| B9060N      | TO-263  | 55           | 10.5              | -                | -                  | -                  | 90     | -                    | 68.1                | 0.9         | 166   | Single            |
| D4060A      | TO-251  | 60           | 85                | -                | -                  | -                  | 15     | -                    | 8.1                 | 4           | 38    | Single            |
| D4060AL     | TO-251  | 60           | 75                | 90               | -                  | -                  | 16     | -                    | 12                  | 4           | 38    | Single            |
| D6056       | TO-251  | 60           | 6.2               | -                | -                  | -                  | 76     | -                    | 77                  | 2.2         | 70    | Single            |
| D6060N      | TO-251  | 60           | 25                | -                | -                  | -                  | 34     | -                    | 28.7                | 2.4         | 62.5  | Single            |
| D6086       | TO-251  | 60           | 8.7               | -                | -                  | -                  | 50     | -                    | 50                  | 3           | 50    | Single            |
| D6186       | TO-251  | 60           | 25                | -                | 32                 | -                  | 28     | -                    | 24                  | 4           | 38    | Single            |
| D6336       | TO-251  | 60           | 41                | -                | 55                 | -                  | 25     | -                    | 22.2                | 3.2         | 40    | Single            |

|         |          |    |      |      |      |   |       |     |       |      |     |        |
|---------|----------|----|------|------|------|---|-------|-----|-------|------|-----|--------|
| D6426   | TO-251   | 60 | 66   | -    | 85   | - | 16    | -   | 12.9  | 3.9  | 32  | Single |
| F85N75  | TO-220F  | 75 | 12   | -    | -    | - | 86    | -   | 90    | 2    | 75  | Single |
| K7002A  | TO-92    | 60 | 6000 | 6000 | -    | - | 0.3   | 0.9 | -     | 85   | 1.5 | Single |
| M6056   | SO-8     | 60 | 6.2  | -    | -    | - | 15    | -   | 75    | 50   | 2.5 | Single |
| M6086   | SO-8     | 60 | 11.5 | -    | -    | - | 12    | -   | 44    | 50   | 2.5 | Single |
| M6086L  | SO-8     | 60 | 12   | -    | 15   | - | 12    | 33  | -     | 50   | 2.5 | Single |
| M6088   | SO-8     | 60 | 12.5 | -    | -    | - | 9.5   | -   | 45    | 62.5 | 2   | Dual   |
| M6088L  | SO-8     | 60 | 14.5 | -    | 18   | - | 9     | 35  | -     | 62.5 | 2   | Dual   |
| M6186   | SO-8     | 60 | 26   | -    | 40   | - | 8     | -   | 24    | 50   | 2.5 | Single |
| M6188   | SO-8     | 60 | 26   | -    | 35   | - | 7.3   | -   | 24    | 62.5 | 2   | Dual   |
| M6426   | SO-8     | 60 | 66   | -    | 85   | - | 4.7   | -   | 13    | 50   | 2.5 | Single |
| M6428   | SO-8     | 60 | 68   | -    | 86   | - | 4.1   | -   | 13.2  | 62.5 | 2   | Dual   |
| M6600   | SO-8     | 60 | 76   | -    | 100  | - | 4     | -   | 12    | 50   | 2.5 | Single |
| M6608   | SO-8     | 60 | 76   | -    | 100  | - | 4     | -   | 12    | 62.5 | 2   | Dual   |
| N7002A  | SOT-23-T | 60 | 3000 | -    | 4000 | - | 0.3   | 0.6 | -     | 350  | 0.4 | Single |
| P3205   | TO-220   | 55 | 8.5  | -    | -    | - | 108.5 | -   | 102.3 | 0.8  | 200 | Single |
| P4060A  | TO-220   | 60 | 85   | -    | -    | - | 17    | -   | 8.1   | 3.2  | 47  | Single |
| P4060AL | TO-220   | 60 | 75   | 90   | -    | - | 17    | -   | 12    | 3.5  | 43  | Single |
| P6036   | TO-220   | 60 | 4.6  | -    | -    | - | 135   | -   | 138   | 0.9  | 167 | Single |
| P6056   | TO-220   | 60 | 6    | -    | -    | - | 100   | -   | 77    | 1.5  | 100 | Single |
| P6060L  | TO-220   | 60 | 21   | 25   | -    | - | 52.4  | -   | 45    | 1.2  | 120 | Single |
| P6060N  | TO-220   | 60 | 25   | -    | -    | - | 42    | -   | 38.1  | 1.7  | 88  | Single |
| P6086   | TO-220   | 60 | 9.2  | -    | -    | - | 70    | -   | 65    | 2    | 70  | Single |
| P6086L  | TO-220   | 60 | 10   | -    | 13.5 | - | 72    | 32  | -     | 2    | 75  | Single |
| P60N06G | TO-220   | 60 | 16   | -    | -    | - | 60    | -   | 52    | 1.2  | 125 | Single |
| P6186   | TO-220   | 60 | 25   | -    | 32   | - | 33    | -   | 24    | 3.5  | 43  | Single |
| P6336   | TO-220   | 60 | 40   | -    | 50   | - | 28    | -   | 22.2  | 3    | 50  | Single |
| P6426   | TO-220   | 60 | 66   | -    | 85   | - | 17    | -   | 12.9  | 3.5  | 35  | Single |
| P75N06  | TO-220   | 60 | 12   | -    | -    | - | 75    | -   | 67.9  | 1    | 125 | Single |
| P75N06G | TO-220   | 60 | 13   | -    | -    | - | 75    | -   | 52    | 1    | 150 | Single |
| P85N75  | TO-220   | 75 | 12   | -    | -    | - | 86    | -   | 90    | 0.8  | 200 | Single |
| P85N75V | TO-220   | 75 | 13   | -    | -    | - | 85    | -   | 64    | 0.8  | 200 | Single |
| P9060N  | TO-220   | 55 | 10.5 | -    | -    | - | 90    | -   | 68.1  | 0.9  | 166 | Single |
| S2336   | SOT-23   | 60 | 250  | -    | 330  | - | 1.8   | 2.4 | -     | -    | 1.3 | Single |
| S2362   | SOT-23   | 60 | 80   | -    | 100  | - | 3     | -   | 13    | 100  | 1.3 | Single |
| T3055L  | SOT-223  | 60 | 85   | -    | 100  | - | 4     | -   | 13    | 42   | 3   | Single |

|         |         |    |     |    |     |   |     |   |      |     |      |        |
|---------|---------|----|-----|----|-----|---|-----|---|------|-----|------|--------|
| T6426   | SOT-223 | 60 | 90  | -  | 110 | - | 4.5 | - | 13.4 | 42  | 3    | Single |
| U4060A  | TO-252  | 60 | 85  | -  | -   | - | 15  | - | 8.1  | 4   | 38   | Single |
| U4060AL | TO-252  | 60 | 75  | 90 | -   | - | 16  | - | 12   | 4   | 38   | Single |
| U6056   | TO-252  | 60 | 6.2 | -  | -   | - | 76  | - | 77   | 2.2 | 70   | Single |
| U6060N  | TO-252  | 60 | 25  | -  | -   | - | 34  | - | 28.7 | 2.4 | 62.5 | Single |
| U6086   | TO-252  | 60 | 8.7 | -  | -   | - | 50  | - | 50   | 3   | 50   | Single |
| U6186   | TO-252  | 60 | 25  | -  | 32  | - | 28  | - | 24   | 4   | 38   | Single |
| U6336   | TO-252  | 60 | 41  | -  | 55  | - | 25  | - | 22.2 | 3.2 | 40   | Single |
| U6426   | TO-252  | 60 | 66  | -  | 85  | - | 16  | - | 12.9 | 3.9 | 32   | Single |

| Part Number | Package | BVDSS (V) | RDS(on)m Ω@10V | RDS(on)m Ω@5V | RDS(on)m Ω@4.5V | RDS(on)m Ω@2.5V | ID (A) | Qg(nC)@4.5 V(typ) | Qg(nC)@10V(typ) | RθJC (°C/W) | PD(W) | Configuratio n |
|-------------|---------|-----------|----------------|---------------|-----------------|-----------------|--------|-------------------|-----------------|-------------|-------|----------------|
| B13N10      | TO-263  | 100       | 180            | -             | -               | -               | 12.8   | -                 | 12              | 2.3         | 65    | Single         |
| B13N10L     | TO-263  | 100       | 175            | 185           | -               | -               | 12.8   | -                 | 12              | 2.3         | 65    | Single         |
| B140N10     | TO-263  | 100       | 7.5            | -             | -               | -               | 137    | -                 | 227             | 0.6         | 208   | Single         |
| B16N10      | TO-263  | 100       | 120            | -             | -               | -               | 15.2   | -                 | 11              | 2.5         | 60    | Single         |
| B16N10L     | TO-263  | 100       | 115            | 125           | -               | -               | 15.2   | -                 | 11              | 3.5         | 60    | Single         |
| B30N15L     | TO-263  | 150       | 70             | 80            | -               | -               | 30     | -                 | 72              | 1           | 150   | Single         |
| B45N10      | TO-263  | 100       | 39             | -             | -               | -               | 44     | -                 | 49              | 1.1         | 136   | Single         |
| B50N10      | TO-263  | 100       | 30             | -             | -               | -               | 50     | -                 | 49              | 1.1         | 136   | Single         |
| B540L       | TO-263  | 100       | 50             | 53            | -               | -               | 36     | -                 | 40              | 1.1         | 140   | Single         |
| B540N       | TO-263  | 100       | 53             | -             | -               | -               | 36     | -                 | 28              | 1.1         | 140   | Single         |
| B60N10      | TO-263  | 100       | 24             | -             | -               | -               | 57     | -                 | 64              | 0.8         | 200   | Single         |
| B630N       | TO-263  | 200       | 360            | -             | -               | -               | 9      | -                 | 20              | 1.6         | 78    | Single         |
| B75N10      | TO-263  | 100       | 13             | -             | -               | -               | 72     | -                 | 72              | 1.5         | 100   | Single         |
| B80N15      | TO-263  | 150       | 19             | -             | -               | -               | 76     | -                 | 262             | 0.5         | 300   | Single         |
| BF634       | TO-263  | 250       | 450            | -             | -               | -               | 8.1    | -                 | 26              | 1.7         | 74    | Single         |
| BF640       | TO-263  | 200       | 150            | -             | -               | -               | 19     | -                 | 44              | 1           | 125   | Single         |
| D12N10      | TO-251  | 100       | 180            | -             | -               | -               | 11     | -                 | 12              | 3.5         | 43    | Single         |
| D12N10L     | TO-252  | 100       | 175            | 185           | -               | -               | 11     | -                 | 12              | 3.5         | 43    | Single         |
| D16N10      | TO-251  | 100       | 120            | -             | -               | -               | 13.3   | -                 | 12              | 3.5         | 43    | Single         |
| D16N10L     | TO-251  | 100       | 115            | 125           | -               | -               | 13.3   | -                 | 17              | 3.5         | 43    | Single         |
| D25N15L     | TO-251  | 150       | 70             | 80            | -               | -               | 25     | -                 | 72              | 1.8         | 83.3  | Single         |
| D40N10      | TO-251  | 100       | 32             | -             | -               | -               | 37     | -                 | 49              | 1.6         | 93.8  | Single         |
| D540L       | TO-251  | 100       | 50             | 53            | -               | -               | 25     | -                 | 40              | 2.2         | 56    | Single         |

|         |         |     |      |     |   |     |   |   |      |   |      |     |      |        |
|---------|---------|-----|------|-----|---|-----|---|---|------|---|------|-----|------|--------|
| D540N   | TO-251  | 100 | 53   | -   | - | -   | - | - | 25   | - | 28   | 2.2 | 56   | Single |
| D55N10  | TO-251  | 100 | 16   | -   | - | -   | - | - | 55   | - | 84   | 1.8 | 83.3 | Single |
| D630N   | TO-251  | 200 | 360  | -   | - | -   | - | - | 7.5  | - | 19.8 | 2.3 | 54   | Single |
| D655    | TO-251  | 150 | 450  | -   | - | -   | - | - | 6.4  | - | 10   | 3.5 | 43   | Single |
| DF634   | TO-251  | 250 | 450  | -   | - | -   | - | - | 6.7  | - | 26   | 2.7 | 46   | Single |
| DF640   | TO-251  | 200 | 150  | -   | - | -   | - | - | 15   | - | 47   | 1.8 | 83   | Single |
| F630N   | TO-220F | 200 | 360  | -   | - | -   | - | - | 9    | - | 20   | 1.6 | 78   | Single |
| F80N15  | TO-220F | 150 | 19   | -   | - | -   | - | - | 76   | - | 262  | 2.2 | 68   | Single |
| FF634   | TO-220F | 250 | 450  | -   | - | -   | - | - | 8.1  | - | 26   | 3.3 | 38   | Single |
| FF640   | TO-220F | 200 | 180  | -   | - | -   | - | - | 19   | - | 48   | 3.1 | 40   | Single |
| M0215   | SO-8    | 150 | 430  | -   | - | -   | - | - | 2    | - | 9.1  | 50  | 3    | Single |
| M0310   | SO-8    | 100 | 180  | -   | - | -   | - | - | 2.6  | - | 9.2  | 50  | 2.5  | Single |
| M0410   | SO-8    | 100 | 120  | -   | - | -   | - | - | 3.4  | - | 12   | 50  | 2.5  | Single |
| M0415   | SO-8    | 150 | 85   | 95  | - | -   | - | - | 4    | - | 23   | 50  | 2.5  | Single |
| M1010   | SO-8    | 100 | 15.5 | -   | - | -   | - | - | 9.5  | - | 76   | 50  | 2.5  | Single |
| P13N10  | TO-220  | 100 | 180  | -   | - | -   | - | - | 12.8 | - | 12   | 2.3 | 65   | Single |
| P13N10L | TO-220  | 100 | 175  | 185 | - | -   | - | - | 12.8 | - | 12   | 2.3 | 65   | Single |
| P140N10 | TO-220  | 100 | 7.5  | -   | - | -   | - | - | 137  | - | 227  | 0.6 | 208  | Single |
| P16N10  | TO-220  | 100 | 120  | -   | - | -   | - | - | 15.2 | - | 11   | 2.5 | 60   | Single |
| P16N10L | TO-220  | 100 | 115  | 125 | - | -   | - | - | 15.2 | - | 11   | 3.5 | 60   | Single |
| P30N15L | TO-220  | 150 | 70   | 80  | - | -   | - | - | 30   | - | 72   | 1   | 150  | Single |
| P45N10  | TO-220  | 100 | 39   | -   | - | -   | - | - | 44   | - | 49   | 1.1 | 136  | Single |
| P50N10  | TO-220  | 100 | 30   | -   | - | -   | - | - | 50   | - | 49   | 1.1 | 136  | Single |
| P540L   | TO-220  | 100 | 50   | 53  | - | -   | - | - | 36   | - | 40   | 1.1 | 140  | Single |
| P540N   | TO-220  | 100 | 53   | -   | - | -   | - | - | 36   | - | 28   | 1.1 | 140  | Single |
| P60N10  | TO-220  | 100 | 24   | -   | - | -   | - | - | 57   | - | 64   | 0.8 | 200  | Single |
| P630N   | TO-220  | 200 | 360  | -   | - | -   | - | - | 9    | - | 20   | 1.6 | 78   | Single |
| P75N10  | TO-220  | 100 | 13   | -   | - | -   | - | - | 72   | - | 72   | 1.5 | 100  | Single |
| P80N15  | TO-220  | 150 | 19   | -   | - | -   | - | - | 76   | - | 262  | 0.5 | 300  | Single |
| PF634   | TO-220  | 250 | 450  | -   | - | -   | - | - | 8.1  | - | 26   | 1.7 | 74   | Single |
| PF640   | TO-220  | 200 | 150  | -   | - | -   | - | - | 19   | - | 44   | 1   | 125  | Single |
| T0215   | SOT-223 | 150 | 440  | -   | - | -   | - | - | 2    | - | 9.2  | 42  | 3    | Single |
| T04N10  | SOT-223 | 100 | 200  | -   | - | 280 | - | - | 3    | - | 12.4 | 42  | 3    | Single |
| U12N10  | TO-252  | 100 | 180  | -   | - | -   | - | - | 11   | - | 12   | 3.5 | 43   | Single |
| U12N10L | TO-252  | 100 | 175  | 185 | - | -   | - | - | 11   | - | 12   | 3.5 | 43   | Single |
| U16N10  | TO-252  | 100 | 120  | -   | - | -   | - | - | 13.3 | - | 12   | 3.5 | 43   | Single |

|         |        |     |     |     |   |   |   |      |   |      |     |      |        |
|---------|--------|-----|-----|-----|---|---|---|------|---|------|-----|------|--------|
| U16N10L | TO-252 | 100 | 115 | 125 | - | - | - | 13.3 | - | 17   | 3.5 | 43   | Single |
| U25N15L | TO-252 | 150 | 70  | 80  | - | - | - | 25   | - | 72   | 1.8 | 83.3 | Single |
| U40N10  | TO-252 | 100 | 32  | -   | - | - | - | 37   | - | 49   | 1.6 | 93.8 | Single |
| U540L   | TO-252 | 100 | 50  | 53  | - | - | - | 25   | - | 40   | 2.2 | 56   | Single |
| U540N   | TO-252 | 100 | 53  | -   | - | - | - | 25   | - | 28   | 2.2 | 56   | Single |
| U55N10  | TO-252 | 100 | 16  | -   | - | - | - | 55   | - | 84   | 1.8 | 83.3 | Single |
| U630N   | TO-252 | 200 | 360 | -   | - | - | - | 7.5  | - | 19.8 | 2.3 | 54   | Single |
| U655    | TO-252 | 150 | 450 | -   | - | - | - | 6.4  | - | 10   | 3.5 | 43   | Single |
| UF634   | TO-252 | 250 | 450 | -   | - | - | - | 6.7  | - | 26   | 2.7 | 46   | Single |
| UF640   | TO-252 | 200 | 150 | -   | - | - | - | 15   | - | 47   | 1.8 | 83   | Single |

| Part Number | Package | BVDSS<br>(V) | RDS(on)m<br>Ω@10V | RDS(on)m<br>Ω@5V | RDS(on)m<br>Ω@4.5V | RDS(on)m<br>Ω@2.5V | ID (A) | Qg(nC)@4.5<br>V(typ) | Qg(nC)@<br>10V(typ) | RθJC (°C/W) | PD(W) | Configuratio<br>n |
|-------------|---------|--------------|-------------------|------------------|--------------------|--------------------|--------|----------------------|---------------------|-------------|-------|-------------------|
| B01N65      | TO-263  | 650          | 10500             | -                | -                  | -                  | 1.3    | -                    | 5.7                 | 3           | 41    | Single            |
| B01N6G      | TO-263  | 600          | 9300              | -                | -                  | -                  | 1      | -                    | 7.2                 | 3           | 41    | Single            |
| B02N65A     | TO-263  | 650          | 10500             | -                | -                  | -                  | 1.3    | -                    | 6.9                 | 3           | 41    | Single            |
| B02N65G     | TO-263  | 650          | 5500              | -                | -                  | -                  | 2      | -                    | 6.7                 | 2.1         | 60    | Single            |
| B02N6A      | TO-263  | 600          | 8500              | -                | -                  | -                  | 1.4    | -                    | 9                   | 3           | 41    | Single            |
| B02N6G      | TO-263  | 600          | 5000              | -                | -                  | -                  | 2.2    | -                    | 6.8                 | 2.1         | 60    | Single            |
| B02N7G      | TO-263  | 700          | 6750              | -                | -                  | -                  | 2      | -                    | 9                   | 2.1         | 60    | Single            |
| B02N9       | TO-263  | 900          | 6800              | -                | -                  | -                  | 2.6    | -                    | 16                  | 1.2         | 125   | Single            |
| B03N8       | TO-263  | 800          | 4800              | -                | -                  | -                  | 3      | -                    | 16                  | 1.2         | 125   | Single            |
| B04N7G      | TO-263  | 700          | 3300              | -                | -                  | -                  | 4      | -                    | 14                  | 1.5         | 84    | Single            |
| B05N65      | TO-263  | 650          | 2400              | -                | -                  | -                  | 4.5    | -                    | 13                  | 1.5         | 84    | Single            |
| B06N7       | TO-263  | 700          | 2000              | -                | -                  | -                  | 6      | -                    | 29                  | 1           | 150   | Single            |
| B07N65      | TO-263  | 650          | 1300              | -                | -                  | -                  | 7      | -                    | 29                  | 0.8         | 166   | Single            |
| B07N65A     | TO-263  | 650          | 1450              | -                | -                  | -                  | 7      | -                    | 28                  | 1           | 150   | Single            |
| B07N7       | TO-263  | 700          | 1500              | -                | -                  | -                  | 6.6    | -                    | 30                  | 0.8         | 166   | Single            |
| B08N6A      | TO-263  | 600          | 1250              | -                | -                  | -                  | 7.5    | -                    | 21                  | 1           | 150   | Single            |
| B08N8       | TO-263  | 800          | 1.6               | -                | -                  | -                  | 8      | -                    | 39                  | 0.6         | 208   | Single            |
| B09N7G      | TO-263  | 700          | 1000              | -                | -                  | -                  | 9      | -                    | 46                  | 0.8         | 166   | Single            |
| B10N6       | TO-263  | 600          | 750               | -                | -                  | -                  | 10     | -                    | 44                  | 0.8         | 166   | Single            |
| B10N65      | TO-263  | 650          | 850               | -                | -                  | -                  | 10     | -                    | 44                  | 0.8         | 200   | Single            |
| B1186       | TO-263  | 800          | 2300              | -                | -                  | -                  | 6      | -                    | 29.4                | 0.8         | 166   | Single            |
| B1195       | TO-263  | 900          | 2750              | -                | -                  | -                  | 5      | -                    | 30                  | 0.8         | 166   | Single            |

|          |        |     |       |   |   |   |   |     |   |      |     |      |        |
|----------|--------|-----|-------|---|---|---|---|-----|---|------|-----|------|--------|
| B12N5    | TO-263 | 500 | 540   | - | - | - | - | 12  | - | 58.7 | 0.8 | 166  | Single |
| B12N6    | TO-263 | 600 | 650   | - | - | - | - | 12  | - | 66   | 0.6 | 250  | Single |
| B12N65   | TO-263 | 650 | 730   | - | - | - | - | 12  | - | 51   | 0.6 | 250  | Single |
| B13N5    | TO-263 | 500 | 480   | - | - | - | - | 13  | - | 66   | 0.7 | 214  | Single |
| B13N5A   | TO-263 | 500 | 0.5   | - | - | - | - | 13  | - | 31   | 0.6 | 208  | Single |
| B14N5    | TO-263 | 500 | 380   | - | - | - | - | 14  | - | 50   | 0.7 | 178  | Single |
| B730G    | TO-263 | 400 | 1000  | - | - | - | - | 5.5 | - | 14   | 1.5 | 83   | Single |
| B740A    | TO-263 | 400 | 550   | - | - | - | - | 10  | - | 24   | 1   | 150  | Single |
| B740G    | TO-263 | 400 | 550   | - | - | - | - | 10  | - | 35.6 | 1   | 125  | Single |
| B830G    | TO-263 | 500 | 1500  | - | - | - | - | 5   | - | 13   | 1.5 | 83   | Single |
| B840A    | TO-263 | 500 | 850   | - | - | - | - | 8.5 | - | 25   | 1   | 150  | Single |
| B840G    | TO-263 | 500 | 850   | - | - | - | - | 8   | - | 33   | 1   | 125  | Single |
| B840L    | TO-263 | 500 | 800   | - | - | - | - | 8   | - | 33   | 1.1 | 125  | Single |
| D01N65   | TO-251 | 650 | 10500 | - | - | - | - | 1.2 | - | 5.8  | 3.5 | 35.7 | Single |
| D01N65A  | TO-251 | 650 | 15000 | - | - | - | - | 0.9 | - | 10   | 3.5 | 43   | Single |
| D01N6G   | TO-251 | 600 | 9300  | - | - | - | - | 1   | - | 7.2  | 3.5 | 31   | Single |
| D01N7    | TO-251 | 700 | 18000 | - | - | - | - | 0.8 | - | 6    | 4   | 31   | Single |
| D02N65A  | TO-251 | 650 | 10500 | - | - | - | - | 1.2 | - | 6.9  | 3.5 | 35.7 | Single |
| D02N65G  | TO-251 | 650 | 5500  | - | - | - | - | 1.8 | - | 6.7  | 2.6 | 48   | Single |
| D02N6A   | TO-251 | 600 | 8500  | - | - | - | - | 1.3 | - | 9    | 3.5 | 35.7 | Single |
| D02N6G   | TO-251 | 600 | 5000  | - | - | - | - | 2   | - | 6.7  | 2.4 | 52   | Single |
| D02N7G   | TO-251 | 700 | 6750  | - | - | - | - | 1.6 | - | 9    | 2.6 | 48   | Single |
| D02N7G-1 | TO-251 | 720 | 6750  | - | - | - | - | 1.6 | - | 9    | 2.6 | 48   | Single |
| D02N9    | TO-251 | 900 | 6800  | - | - | - | - | 2   | - | 16   | 2   | 75   | Single |
| D03N8    | TO-251 | 800 | 4800  | - | - | - | - | 2.5 | - | 16   | 2   | 75   | Single |
| D04N7G   | TO-251 | 700 | 3300  | - | - | - | - | 3.5 | - | 14   | 2.2 | 56   | Single |
| D05N65   | TO-251 | 650 | 2400  | - | - | - | - | 4   | - | 8.3  | 2.2 | 56   | Single |
| D06N7    | TO-251 | 700 | 2000  | - | - | - | - | 5   | - | 29   | 1.4 | 107  | Single |
| D07N65A  | TO-251 | 650 | 1450  | - | - | - | - | 6   | - | 28   | 1.4 | 107  | Single |
| D08N6A   | TO-251 | 600 | 1250  | - | - | - | - | 6.2 | - | 21   | 1.4 | 107  | Single |
| D730G    | TO-251 | 400 | 1000  | - | - | - | - | 5   | - | 14   | 2.2 | 68   | Single |
| D740A    | TO-251 | 400 | 550   | - | - | - | - | 9   | - | 24   | 1.4 | 107  | Single |
| D830G    | TO-251 | 500 | 1500  | - | - | - | - | 4.5 | - | 13   | 2.2 | 68   | Single |
| D840A    | TO-251 | 500 | 850   | - | - | - | - | 7.5 | - | 25   | 1.4 | 107  | Single |
| E02N6A   | TO-126 | 600 | 8500  | - | - | - | - | 1.3 | - | 9    | 3.5 | 41   | Single |

|         |         |     |       |   |   |   |   |     |   |      |     |     |        |
|---------|---------|-----|-------|---|---|---|---|-----|---|------|-----|-----|--------|
| E02N6G  | TO-126  | 600 | 5000  | - | - | - | - | 2   | - | 6.8  | 2.3 | 56  | Single |
| F02N65A | TO-220F | 650 | 10500 | - | - | - | - | 1.3 | - | 6.9  | 4.5 | 27  | Single |
| F02N65G | TO-220F | 650 | 5500  | - | - | - | - | 2   | - | 6.7  | 4.5 | 28  | Single |
| F02N6A  | TO-220F | 600 | 8500  | - | - | - | - | 1.4 | - | 9    | 4.5 | 27  | Single |
| F02N6G  | TO-220F | 600 | 5000  | - | - | - | - | 2.2 | - | 6.8  | 3.8 | 33  | Single |
| F02N7G  | TO-220F | 700 | 6750  | - | - | - | - | 2   | - | 9    | 3.9 | 33  | Single |
| F02N9   | TO-220F | 900 | 6800  | - | - | - | - | 2.6 | - | 16   | 3.2 | 47  | Single |
| F03N8   | TO-220F | 800 | 4800  | - | - | - | - | 3   | - | 16   | 3.2 | 47  | Single |
| F04N7G  | TO-220F | 700 | 3300  | - | - | - | - | 4   | - | 14   | 3.6 | 35  | Single |
| F05N6   | TO-220F | 650 | 2400  | - | - | - | - | 5   | - | 10   | 3.6 | 35  | Single |
| F05N65  | TO-220F | 650 | 2400  | - | - | - | - | 4.5 | - | 13   | 3.8 | 40  | Single |
| F06N7   | TO-220F | 700 | 2000  | - | - | - | - | 6   | - | 29   | 3.1 | 48  | Single |
| F07N65  | TO-220F | 650 | 1300  | - | - | - | - | 7   | - | 29   | 2.5 | 50  | Single |
| F07N65A | TO-220F | 650 | 1450  | - | - | - | - | 7   | - | 28   | 3.1 | 48  | Single |
| F07N7   | TO-220F | 700 | 1500  | - | - | - | - | 6.6 | - | 30   | 2.5 | 50  | Single |
| F08N6A  | TO-220F | 600 | 1250  | - | - | - | - | 7.5 | - | 21   | 3.1 | 48  | Single |
| F08N8   | TO-220F | 800 | 1.6   | - | - | - | - | 8   | - | 39   | 2.4 | 52  | Single |
| F09N7G  | TO-220F | 700 | 1000  | - | - | - | - | 9   | - | 46   | 2.5 | 50  | Single |
| F10N4   | TO-220F | 450 | 700   | - | - | - | - | 10  | - | 48   | 2.8 | 45  | Single |
| F10N6   | TO-220F | 600 | 750   | - | - | - | - | 10  | - | 44   | -   | -   | Single |
| F10N65  | TO-220F | 650 | 850   | - | - | - | - | 10  | - | 44   | 2.5 | 60  | Single |
| F1195   | TO-220F | 900 | 2750  | - | - | - | - | 5   | - | 30   | 2.5 | 50  | Single |
| F12N5   | TO-220F | 500 | 540   | - | - | - | - | 12  | - | 58.7 | 2.5 | 50  | Single |
| F12N6   | TO-220F | 600 | 650   | - | - | - | - | 12  | - | 66   | 2.5 | 60  | Single |
| F12N65  | TO-220F | 650 | 730   | - | - | - | - | 12  | - | 51   | 2.5 | 60  | Single |
| F13N5   | TO-220F | 500 | 540   | - | - | - | - | 13  | - | 66   | 2.5 | 60  | Single |
| F13N5A  | TO-220F | 500 | 0.5   | - | - | - | - | 13  | - | 31   | 2.4 | 52  | Single |
| F14N5   | TO-220F | 500 | 380   | - | - | - | - | 14  | - | 50   | 2   | 62  | Single |
| F730G   | TO-220F | 400 | 1000  | - | - | - | - | 5.5 | - | 14   | 2.5 | 41  | Single |
| F740A   | TO-220F | 400 | 550   | - | - | - | - | 10  | - | 24   | 3.1 | 48  | Single |
| F740G   | TO-220F | 400 | 550   | - | - | - | - | 10  | - | 35.6 | 3.1 | 40  | Single |
| F830G   | TO-220F | 500 | 1500  | - | - | - | - | 5   | - | 13   | 3.6 | 42  | Single |
| F840A   | TO-220F | 500 | 850   | - | - | - | - | 8.5 | - | 25   | 3.1 | 48  | Single |
| F840G   | TO-220F | 500 | 850   | - | - | - | - | 8   | - | 33   | 3.1 | 40  | Single |
| F840L   | TO-220F | 500 | 800   | - | - | - | - | 8   | - | 33   | 3.1 | 40  | Single |
| K01N65  | TO-92   | 650 | 10.5  | - | - | - | - | 0.4 | - | 5.8  | 40  | 3.1 | Single |



|         |        |     |       |   |   |   |   |     |   |   |      |     |     |        |
|---------|--------|-----|-------|---|---|---|---|-----|---|---|------|-----|-----|--------|
| K01N65A | TO-92  | 650 | 15000 | - | - | - | - | 0.3 | - | - | 10   | 40  | 3.1 | Single |
| K01N6G  | TO-92  | 600 | 9300  | - | - | - | - | 0.4 | - | - | 6    | 40  | 3.1 | Single |
| K01N7   | TO-92  | 700 | 18000 | - | - | - | - | 0.3 | - | - | 10   | 40  | 3.1 | Single |
| P01N65  | TO-220 | 650 | 10500 | - | - | - | - | 1.3 | - | - | 5.7  | 3   | 41  | Single |
| P01N6G  | TO-220 | 600 | 9300  | - | - | - | - | 1   | - | - | 7.2  | 3   | 41  | Single |
| P02N65A | TO-220 | 650 | 10500 | - | - | - | - | 1.3 | - | - | 6.9  | 3   | 41  | Single |
| P02N65G | TO-220 | 650 | 5500  | - | - | - | - | 2   | - | - | 6.7  | 2.1 | 60  | Single |
| P02N6A  | TO-220 | 600 | 8500  | - | - | - | - | 1.4 | - | - | 9    | 3   | 41  | Single |
| P02N6G  | TO-220 | 600 | 5000  | - | - | - | - | 2.2 | - | - | 6.8  | 2.1 | 60  | Single |
| P02N7G  | TO-220 | 700 | 6750  | - | - | - | - | 2   | - | - | 9    | 2.1 | 60  | Single |
| P02N9   | TO-220 | 900 | 6800  | - | - | - | - | 2.6 | - | - | 16   | 1.2 | 125 | Single |
| P03N8   | TO-220 | 800 | 4800  | - | - | - | - | 3   | - | - | 16   | 1.2 | 125 | Single |
| P04N7G  | TO-220 | 700 | 3300  | - | - | - | - | 4   | - | - | 14   | 1.5 | 84  | Single |
| P05N65  | TO-220 | 650 | 2400  | - | - | - | - | 4.5 | - | - | 13   | 1.5 | 84  | Single |
| P06N7   | TO-220 | 700 | 2000  | - | - | - | - | 6   | - | - | 29   | 1   | 150 | Single |
| P07N65  | TO-220 | 650 | 1300  | - | - | - | - | 7   | - | - | 29   | 0.8 | 166 | Single |
| P07N65A | TO-220 | 650 | 1450  | - | - | - | - | 7   | - | - | 28   | 1   | 150 | Single |
| P07N7   | TO-220 | 700 | 1500  | - | - | - | - | 6.6 | - | - | 30   | 0.8 | 166 | Single |
| P08N6A  | TO-220 | 600 | 1250  | - | - | - | - | 7.5 | - | - | 21   | 1   | 150 | Single |
| P08N8   | TO-220 | 800 | 1.6   | - | - | - | - | 8   | - | - | 39   | 0.6 | 208 | Single |
| P09N7G  | TO-220 | 700 | 1000  | - | - | - | - | 9   | - | - | 46   | 0.8 | 166 | Single |
| P10N6   | TO-220 | 600 | 750   | - | - | - | - | 10  | - | - | 44   | -   | -   | Single |
| P10N65  | TO-220 | 650 | 850   | - | - | - | - | 10  | - | - | 44   | 0.8 | 200 | Single |
| P1186   | TO-220 | 800 | 2300  | - | - | - | - | 6   | - | - | 29.4 | 0.8 | 166 | Single |
| P1195   | TO-220 | 900 | 2750  | - | - | - | - | 5   | - | - | 30   | 0.8 | 166 | Single |
| P12N5   | TO-220 | 500 | 540   | - | - | - | - | 12  | - | - | 58.7 | 0.8 | 166 | Single |
| P12N6   | TO-220 | 600 | 650   | - | - | - | - | 12  | - | - | 66   | 0.6 | 250 | Single |
| P12N65  | TO-220 | 650 | 730   | - | - | - | - | 12  | - | - | 51   | 0.6 | 250 | Single |
| P13N5   | TO-220 | 500 | 480   | - | - | - | - | 13  | - | - | 66   | 0.7 | 214 | Single |
| P13N5A  | TO-220 | 500 | 0.5   | - | - | - | - | 13  | - | - | 31   | 0.6 | 208 | Single |
| P14N5   | TO-220 | 500 | 380   | - | - | - | - | 14  | - | - | 50   | 0.7 | 178 | Single |
| P730G   | TO-220 | 400 | 1000  | - | - | - | - | 5.5 | - | - | 14   | 1.5 | 83  | Single |
| P740A   | TO-220 | 400 | 550   | - | - | - | - | 10  | - | - | 24   | 1   | 150 | Single |
| P740G   | TO-220 | 400 | 550   | - | - | - | - | 10  | - | - | 35.6 | 1   | 125 | Single |
| P830G   | TO-220 | 500 | 1500  | - | - | - | - | 5   | - | - | 13   | 1.5 | 83  | Single |
| P840A   | TO-220 | 500 | 850   | - | - | - | - | 8.5 | - | - | 25   | 1   | 150 | Single |

|          |        |     |       |   |   |   |   |   |     |   |   |     |     |      |        |
|----------|--------|-----|-------|---|---|---|---|---|-----|---|---|-----|-----|------|--------|
| P840G    | TO-220 | 500 | 850   | - | - | - | - | - | 8   | - | - | 33  | 1   | 125  | Single |
| P840L    | TO-220 | 500 | 800   | - | - | - | - | - | 8   | - | - | 33  | 1.1 | 125  | Single |
| U01N65   | TO-252 | 650 | 10500 | - | - | - | - | - | 1.2 | - | - | 5.8 | 3.5 | 35.7 | Single |
| U01N65A  | TO-252 | 650 | 15000 | - | - | - | - | - | 0.9 | - | - | 10  | 3.5 | 43   | Single |
| U01N6G   | TO-252 | 600 | 9300  | - | - | - | - | - | 1   | - | - | 7.2 | 3.5 | 31   | Single |
| U01N7    | TO-252 | 700 | 18000 | - | - | - | - | - | 0.8 | - | - | 6   | 4   | 31   | Single |
| U02N65A  | TO-252 | 650 | 10500 | - | - | - | - | - | 1.2 | - | - | 6.9 | 3.5 | 35.7 | Single |
| U02N65G  | TO-252 | 650 | 5500  | - | - | - | - | - | 1.8 | - | - | 6.7 | 2.6 | 48   | Single |
| U02N6A   | TO-252 | 600 | 8500  | - | - | - | - | - | 1.3 | - | - | 9   | 3.5 | 35.7 | Single |
| U02N6G   | TO-252 | 600 | 5000  | - | - | - | - | - | 2   | - | - | 6.7 | 2.4 | 52   | Single |
| U02N7G   | TO-252 | 700 | 6750  | - | - | - | - | - | 1.6 | - | - | 9   | 2.6 | 48   | Single |
| U02N7G-1 | TO-252 | 720 | 6750  | - | - | - | - | - | 1.6 | - | - | 9   | 2.6 | 48   | Single |
| U02N9    | TO-252 | 900 | 6800  | - | - | - | - | - | 2   | - | - | 16  | 2   | 75   | Single |
| U03N8    | TO-252 | 800 | 4800  | - | - | - | - | - | 2.5 | - | - | 16  | 2   | 75   | Single |
| U04N7G   | TO-252 | 700 | 3300  | - | - | - | - | - | 3.5 | - | - | 14  | 2.2 | 56   | Single |
| U05N65   | TO-252 | 650 | 2400  | - | - | - | - | - | 4   | - | - | 8.3 | 2.2 | 56   | Single |
| U06N7    | TO-252 | 700 | 2000  | - | - | - | - | - | 5   | - | - | 29  | 1.4 | 107  | Single |
| U07N65A  | TO-252 | 650 | 1450  | - | - | - | - | - | 6   | - | - | 28  | 1.4 | 107  | Single |
| U08N6A   | TO-252 | 600 | 1250  | - | - | - | - | - | 6.2 | - | - | 21  | 1.4 | 107  | Single |
| U730G    | TO-252 | 400 | 1000  | - | - | - | - | - | 5   | - | - | 14  | 2.2 | 68   | Single |
| U740A    | TO-252 | 400 | 550   | - | - | - | - | - | 9   | - | - | 24  | 1.4 | 107  | Single |
| U830G    | TO-252 | 500 | 1500  | - | - | - | - | - | 4.5 | - | - | 13  | 2.2 | 68   | Single |
| U840A    | TO-252 | 500 | 850   | - | - | - | - | - | 7.5 | - | - | 25  | 1.4 | 107  | Single |

| Part Number | Package   | BVDSS<br>(V) | RDS(on)m<br>Ω@10V | RDS(on)m<br>Ω@5V | RDS(on)m<br>Ω@4.5V | RDS(on)m<br>Ω@2.5V | ID (A)     | Qg(nC)@4.5<br>V(typ) | Qg(nC)@<br>10V(typ) | RθJC (°C/W) | PD(W) | Configuratio<br>n |
|-------------|-----------|--------------|-------------------|------------------|--------------------|--------------------|------------|----------------------|---------------------|-------------|-------|-------------------|
| H2609       | TSOP-6    | 20<br>20     | -<br>-            | -<br>-           | 60<br>100          | 80<br>145          | 3.5<br>2.5 | 5<br>4.5             | -<br>-              | 110         | 1.1   | Dual              |
| M2539       | SO-8      | 20<br>20     | 22<br>80          | -<br>-           | 24<br>100          | 33<br>150          | 7.5<br>4   | 4.3<br>10.6          | -<br>-              | 62.5        | 2     | Dual              |
| M2539A      | SO-8      | 20<br>20     | 22<br>80          | -<br>-           | 25<br>100          | 40<br>150          | 7.5<br>4   | -<br>-               | 10<br>10.8          | 62.5        | 2     | Dual              |
| M2939       | SO-8      | 20<br>20     | -<br>-            | -<br>-           | 30<br>55           | 43<br>90           | 6.5<br>4.8 | 10<br>9.8            | -<br>-              | 62.5        | 2     | Dual              |
| M3109       | SO-8      | 30<br>30     | 14<br>20          | -<br>-           | 20<br>30           | -<br>-             | 10<br>8    | 12.2<br>18.9         | -<br>-              | 62.5        | 2     | Dual              |
| M3259       | SO-8      | 30<br>30     | 22<br>36          | -<br>-           | 32<br>52           | -<br>-             | 7.6<br>5.9 | -<br>-               | 19.8<br>19.4        | 62.5        | 2     | Dual              |
| M4269       | SO-8      | 40<br>40     | 32<br>43          | -<br>-           | 46<br>65           | -<br>-             | 6.1<br>5.2 | -<br>-               | 20.5<br>20          | 62.5        | 2     | Dual              |
| M4279       | SO-8      | 40<br>40     | 32<br>66          | -<br>-           | 46<br>105          | -<br>-             | 6.1<br>4.3 | 10.1<br>5.6          | -<br>-              | 62.5        | 2     | Dual              |
| M6659       | SO-8      | 60<br>60     | 68<br>130         | -<br>-           | 86<br>170          | -<br>-             | 4.1<br>3.1 | -<br>-               | 13<br>11            | 62.5        | 2     | Dual              |
| M7350       | SO-8      | 100<br>100   | 320<br>190        | -<br>-           | -<br>-             | -<br>-             | 2.6<br>2   | -<br>-               | 12.4<br>16          | 62.5        | 2     | Dual              |
| M7350L      | SO-8      | 100<br>100   | 190<br>320        | 180<br>-         | -<br>-             | -<br>-             | 2.6<br>2   | -<br>-               | 12.3<br>14          | 62.5        | 2     | Dual              |
| M7808       | SO-8      | 30<br>30     | 33<br>55          | -<br>-           | 60<br>80           | -<br>-             | 6.2<br>4.8 | -<br>-               | 10.6<br>13          | 62.5        | 2     | Single            |
| M8958       | SO-8      | 30<br>30     | 28<br>52          | -<br>-           | 40<br>80           | -<br>-             | 7<br>5.2   | -<br>-               | 12.3<br>11          | 62.5        | 2     | Dual              |
| M8958A      | SO-8      | 30<br>30     | 28<br>58          | -<br>-           | 42<br>85           | -<br>-             | 6.8<br>4.8 | -<br>-               | 7.1<br>9.3          | 62.5        | 2     | Dual              |
| M8968       | SO-8      | 30<br>30     | 28<br>33          | -<br>-           | 40<br>52           | -<br>-             | 7<br>6.2   | -<br>-               | 12<br>18.7          | 62.5        | 2     | Dual              |
| U4269       | TO-252    | 40<br>40     | 32<br>45          | -<br>-           | 46<br>65           | -<br>-             | 14<br>12   | -<br>-               | 20.5<br>19.2        | 12          | 10.4  | Dual              |
| U4279       | TO-252-4L | 40<br>40     | 110<br>32         | -<br>-           | 72<br>46           | -<br>-             | 14<br>9    | 5.8<br>10            | -<br>-              | 50          | 10.4  | Dual              |
| M26138      | SO-8      | 30<br>20     | 22<br>-           | -<br>-           | 33<br>27           | -<br>40            | 7.6<br>6   | 13<br>6.8            | -<br>-              | 62.5        | 2     | Dual              |

| Part Number | Channel | Configuration | Drain-Source Voltage | Gate-Source Voltage | Drain Current | Static Drain-Source On-Resistance |                  |                | Input Capacitance | Reverse Transfer Capacitance | Gate Charge              |                      | Marking Code | Package | MSL |
|-------------|---------|---------------|----------------------|---------------------|---------------|-----------------------------------|------------------|----------------|-------------------|------------------------------|--------------------------|----------------------|--------------|---------|-----|
|             |         |               |                      |                     |               | V <sub>DSS</sub>                  | V <sub>GSS</sub> | I <sub>b</sub> |                   |                              | R <sub>dson</sub> (max.) | V <sub>GS</sub> =10V |              |         |     |
|             |         |               | V                    | V                   | A             |                                   |                  |                | Ω                 | Ω                            |                          |                      | pF           | pF      | nC  |
|             |         |               |                      |                     |               |                                   |                  |                |                   |                              |                          |                      |              |         |     |
| 2N7002      | N       | Single        | 60                   | 20                  | 0.25          | 5                                 | 7.5              | 7.5            | 50                | 5                            | 0.6                      | S72                  | SOT-23       | 1       |     |
| 2N7002K     | N       | Single        | 60                   | 20                  | 0.3           | 3                                 | 4                | 4              | 35                | 5                            | 0.8                      | K72                  | SOT-23       | 1       |     |
| BSS138      | N       | Single        | 50                   | 20                  | 0.3           | 3                                 | 4                | 4              | 50                | 5                            | 1                        | 138                  | SOT-23       | 1       |     |
| 2N7002W     | N       | Single        | 60                   | 20                  | 0.115         | 5                                 | 7.5              | 7.5            | 50                | 5                            | 0.6                      | 72W                  | SOT-323      | 1       |     |
| 2N7002KW    | N       | Single        | 60                   | 20                  | 0.115         | 3                                 | 4                | 4              | 35                | 5                            | 0.8                      | K72                  | SOT-323      | 1       |     |
| 2N7002DW    | N       | Dual          | 60                   | 20                  | 0.115         | 5                                 | 7.5              | 7.5            | 50                | 5                            | 0.6                      | 702                  | SOT-363      | 1       |     |
| 2N7002KDW   | N       | Dual          | 60                   | 20                  | 0.115         | 3                                 | 4                | 4              | 35                | 5                            | 0.8                      | K27                  | SOT-363      | 1       |     |
| PJ4N3KDW    | N       | Dual          | 30                   | 20                  | 0.1           |                                   |                  |                |                   |                              | 0.8                      | 4N3                  | SOT-363      | 1       |     |
| BSS84       | P       | Single        | 50                   | 20                  | 0.13          | -                                 | 10               | 10             | 45                | 12                           | 0.8                      | 84L                  | SOT-23       | 1       |     |
| BSS84W      | P       | Single        | 50                   | 20                  | 0.13          | -                                 | 10               | 10             | 45                | 12                           | 0.8                      | 84W                  | SOT-323      | 1       |     |
| BSS84DW     | P       | Dual          | 50                   | 20                  | 0.13          | -                                 | 10               | 10             | 45                | 12                           | 0.8                      | S84                  | SOT-363      | 1       |     |
| BSS8402DW   | N/P     | Dual          | 60/50                | 20                  | 0.115/0.13    | 7/-                               | 4.5/10           | 4.5/10         | 50/45             | 5/12                         |                          | S82                  | SOT-363      | 1       |     |
| 2N7002KTB   | N       | Single        | 60                   | 20                  | 0.115         | 3                                 | 4                | 4              | 35                | 5                            | 0.8                      | 27                   | SOT-523      | 1       |     |
| 2N7002TB    | N       | Single        | 60                   | 20                  | 0.115         | 5                                 | 7.5              | 7.5            | 50                | 5                            | 0.6                      | 72                   | SOT-523      | 1       |     |
| BSS138W     | N       | Single        | 50                   | 20                  | 0.3           | 3                                 | 4                | 4              | 50                | 5                            |                          | 38W                  | SOT-323      | 1       |     |
| EL2306      | N       | Single        | 30                   | 20                  | 3.2           | 0.065                             | 0.085            | 0.085          |                   |                              | 2.8                      | 06                   | SOT-23       | 1       |     |
| EL2301      | P       | Single        | 20                   | 8                   | 1.75          |                                   | 0.09             | 0.09           |                   |                              | 0.5                      | 01                   | SOT-23       | 1       |     |
| 55E03       | P       | Single        | 30                   | 12                  | 4.3           | 0.048                             | 0.055            | 0.055          |                   |                              | 26.8                     | 55                   | SOT-23-1     | -       |     |
| 63E02       | P       | Single        | 20                   | 12                  | 2.9           |                                   | 0.063            | 0.063          |                   |                              |                          | 63                   | SOT-23       | 1       |     |
| 94E03       | N       | Single        | 30                   | 20                  | 2.9           | 0.057                             | 0.094            | 0.094          |                   |                              | 12.63                    | 94                   | SOT-23       | 1       |     |
| 50E03       | N       | Single        | 30                   | 20                  | 2.9           | 0.057                             | 0.094            | 0.094          |                   |                              | 12.63                    | N03                  | SOT23-6L     | -       |     |
| 260E02      | N       | Single        | 20                   | 6                   | 0.78          |                                   | 0.26             | 0.26           |                   |                              |                          | 26                   | SOT-523      | 1       |     |
| 65E03       | P       | Single        | 30                   | 12                  | 4             | 0.055                             | 0.065            | 0.065          |                   |                              |                          | 65                   | SOT-23       | 1       |     |
| 87E03       | P       | Single        | 30                   | 20                  | 4             | 0.055                             | 0.087            | 0.087          |                   |                              |                          | 87                   | SOT-23       | 1       |     |

| Part Number | Voltage Range | Channel | Drain-Source Voltage | Gate-Source Voltage | Drain Current  | Maximum Power Dissipation | Static Drain-Source On-Resistance | Gate Charge              | Input Capacitance       | Reverse Transfer Capacitance | Single Pulse Avalanche Energy | Package      | MSL |
|-------------|---------------|---------|----------------------|---------------------|----------------|---------------------------|-----------------------------------|--------------------------|-------------------------|------------------------------|-------------------------------|--------------|-----|
|             |               |         | V <sub>DSS</sub>     | V <sub>GSS</sub>    | I <sub>D</sub> | P <sub>D</sub>            | R <sub>DS(on)</sub> (max.)        | Q <sub>g</sub>           | C <sub>iss</sub>        | Crss                         | EAS                           |              |     |
|             |               |         | V                    | +V                  | A              | W                         | V <sub>GS</sub> =10V Ω            | V <sub>GS</sub> =10 V nC | V <sub>DS</sub> =25V pF | V <sub>DS</sub> =25V pF      | mJ                            |              |     |
|             |               |         |                      |                     |                |                           |                                   |                          |                         |                              |                               |              |     |
| EL04N03D    | <=100         | N       | 25                   | 20                  | 80             | 100                       | 0.004                             | 58.2                     | 2950                    | 430                          | 140                           | TO-252/DPAK  | -   |
| EL06N03D    | <=100         | N       | 25                   | 20                  | 60             | 83                        | 0.006                             | 52.6                     | 2090                    | 386                          | 140                           | TO-252/DPAK  | -   |
| EL09N03D    | <=100         | N       | 25                   | 20                  | 50             | 60                        | 0.009                             | 17.2                     | 790                     | 128                          | 70                            | TO-252/DPAK  | -   |
| ELB75N75    | <=100         | N       | 75                   | 20                  | 75             | 105                       | 0.011                             | 83                       | 3150                    | 240                          | 660                           | TO-263/D2PAK | -   |
| ELP75N75    | <=100         | N       | 75                   | 20                  | 75             | 105                       | 0.011                             | 83                       | 3150                    | 240                          | 660                           | TO-220AB     | -   |
| ELB24N10    | <=100         | N       | 100                  | 20                  | 42             | 105                       | 0.024                             | 78                       | 1450                    | 110                          | 680                           | TO-263/D2PAK | -   |
| ELP24N10    | <=100         | N       | 100                  | 20                  | 42             | 89                        | 0.024                             | 78                       | 2450                    | 110                          | 680                           | TO-220AB     | -   |
| ELF24N10    | <=100         | N       | 100                  | 20                  | 42             | 32                        | 0.024                             | 78                       | 2450                    | 110                          | 680                           | ITO-220AB    | -   |

| Part Number | VDSS<br>(V) | ID<br>(A) | VGS(th)Max<br>(V) | PD<br>(W) | RDS(on)MAX<br>(mW) |          |             |      | IDSS(Max)<br>(mA) | Ciss(Typ)<br>(PF) | PACKAGE |
|-------------|-------------|-----------|-------------------|-----------|--------------------|----------|-------------|------|-------------------|-------------------|---------|
|             |             |           |                   |           | 10V                | 4.5V     | 2.5V        | 1.8V |                   |                   |         |
| 2N7000      | 60          | 0.2       | 3.0               | 0.35      | 5.0                | 6.0      | -           | -    | 1.0               | 60(Max)           | TO92    |
| 2N7002      | 60          | 0.25      | 2.5               | 0.35      | 3000               | 4000     | -           | -    | 1                 | 25                | SOT23   |
| BSS123      | 100         | 0.17      | 2.8               | 0.225     | 6000               | -        | -           | -    | 15                | 20                | SOT23   |
| BSS138      | 50          | 0.2       | 1.5               | 0.225     | -                  | 3500@5v  | 10000@2.75v | -    | 0.1               | 40                | SOT23   |
| C2302       | 20          | 2.3       | 1.2               | 0.9       | -                  | 60       | 115         | -    | -1                | 427.12            | SOT23   |
| C2306       | 30          | 5.8       | 1.4               | 1.4       | 38                 | 43       | 62          | -    | 1                 | -                 | SOT23   |
| C2312       | 20          | 4.9       | 1                 | 0.75      | -                  | 41       | 47          | 57   | 1                 | 500               | SOT23   |
| C4501       | 20          | 3.2       | 1.2               | 1.25      | -                  | 80       | 105         | -    | 1.5               | 200               | SOT23   |
| 2N4003K     | 30          | 0.5       | 1.6               | 0.69      | -                  | 1.5@4.0V | 2           | -    | 1                 | 21                | SOT23   |
| 2N7002K     | 60          | 0.115     | 2.5               | 0.225     | 7500               | 7500@5V  | -           | -    | 1                 | 25                | SOT23   |
| BSS138W     | 50          | 0.2       | 20                | 0.15      | 10@2.75V           | 3.5@5V   | -           | -    | 0.1               | 40                | SOT323  |
| 2N7002W     | 60          | 0.115     | 2.5               | 0.225     | 7.5                | 7.5@5V   | -           | -    | 1                 | 25                | SOT323  |
| 2N7002KW    | 60          | 0.115     | 2.5               | 0.225     | 7.5                | 7.5@5V   | -           | -    | 1                 | 25                | SOT323  |
| 2SK3018W    | 30          | 0.1       | 1.5               | 0.2       | -                  | 8.0@4V   | 13          | -    | 1                 | 13                | SOT323  |
| 2N7002KT    | 60          | 0.115     | 2                 | 0.225     | 7.5                | 7.5@5V   | -           | -    | 1                 | 25                | SC89    |
| X1012       | 20          | 0.5       | 0.9               | 0.15      | -                  | 700      | 850         | 1250 | 0.1               | -                 | SC89    |
| X7002       | 30          | 0.154     | 1.5               | 0.3       | -                  | 7000     | 7500        | -    | 1                 | 11.5              | SC89    |
| 2SK3019T    | 30          | 0.1       | 1.5               | 0.15      | -                  | 8@4V     | 13          | -    | 1                 | 13                | SOT523  |
| 2N7002T     | 60          | 0.115     | 2                 | 0.15      | 13.5               | 7.5@5V   | -           | -    | 1                 | 22                | SOT523  |
| G3043       | 20          | 0.255     | 1.3               | 0.44      | -                  | 3.4      | 4.5         | 10   | 1                 | 11                | SOT723  |
| 2SK3541M    | 30          | 0.1       | 1.5               | 0.15      | -                  | -        | 13          | -    | 1                 | 13                | SOT723  |
| 2N7002DW    | 60          | 0.115     | 2                 | 0.25      | 13500              | 7500@5V  | -           | -    | 1                 | 50(max)           | SOT363  |
| 2N7002KDW   | 60          | 0.115     | 2.5               | 0.225     | 7500               | 7500@5V  | -           | -    | 1                 | 25                | SOT363  |
| N9973       | 60          | 3.9       | 3                 | 2.7       | 80                 | 100      | -           | -    | 1                 | 700               | SOT223  |
| M2310A      | 60          | 5         | 1.5               | 1.5       | 115                | 125      | -           | -    | 1                 | 320               | SOT89   |
| 2N60I       | 600         | 2         | 30                | 34        | 5000               | -        | -           | -    | 10                | 320               | TO-251  |
| 4N60I       | 600         | 4         | 30                | 77        | 2500               | -        | -           | -    | 10                | 672               | TO-251  |
| 2N60D       | 600         | 2         | 30                | 34        | 5000               | -        | -           | -    | 10                | 320               | TO-252  |
| 4N60D       | 600         | 4         | 30                | 77        | 2500               | -        | -           | -    | 10                | 672               | TO-252  |
| D40N03      | 30          | 36        | 3                 | 50        | 21                 | 30       | -           | -    | 25                | 800               | TO-252  |

|          |     |       |     |       |      |          |      |     |     |           |         |
|----------|-----|-------|-----|-------|------|----------|------|-----|-----|-----------|---------|
| D9973    | 60  | 14    | 3   | 27    | 80   | 100      | -    | -   | 1   | 720       | TO-252  |
| 2N60P    | 600 | 2     | 30  | 44    | 5000 | -        | -    | -   | 10  | 320       | TO-220  |
| 4N60P    | 600 | 4     | 30  | 100   | 2500 | -        | -    | -   | 10  | 672       | TO-220  |
| 8N60P    | 600 | 8     | 30  | 147   | 1200 | -        | -    | -   | 10  | 1095      | TO-220  |
| IRF640   | 200 | 18    | 20  | 125   | 180  | -        | -    | -   | 25  | 1300      | TO-220  |
| 2N60F    | 600 | 2     | 30  | 23    | 5000 | -        | -    | -   | 10  | 320       | TO-220F |
| 4N60F    | 600 | 4     | 30  | 33    | 2500 | -        | -    | -   | 10  | 672       | TO-220F |
| 8N60F    | 600 | 8     | 3   | 48    | 1200 | -        | -    | -   | 10  | 1095      | TO-220F |
| 4410M    | 30  | 10    | 3   | 2.5   | 13.5 | 20       | -    | -   | 1   | 1375      | SOP-8   |
| K4424    | 30  | 13.8  | 3   | 2.5   | 9    | 14       | -    | -   | 1   | 3070      | SOP-8   |
| K6680    | 30  | 11.5  | 3   | 2.5   | 11   | 18       | -    | -   | 1   | 1450(Typ) | SOP-8   |
| K9410    | 30  | 18    | 1.2 | 2.5   | 5.5  | 6.2      | 8    | -   | 1   | 5080      | SOP-8   |
| K4224    | 30  | 10    | 3   | 2     | 14   | 20       | -    | -   | 1   | 1910      | SOP-8   |
| K4228    | 30  | 6.8   | 3   | 2     | 26   | 40       | -    | -   | 1   | 930       | SOP-8   |
| K9971    | 60  | 5     | 3   | 2     | 50   | 60       | -    | -   | 1   | 1658      | SOP-8   |
| L2602    | 20  | 6.3   | 0.5 | 2     | 30   | 34       | 50   | 90  | 1   | 603       | SOT-26  |
| L2622    | 20  | 2.5   | 1.5 | 1     | -    | 80       | 110  | -   | 1   | 220       | SOT-26  |
| BSS84    | 50  | 0.13  | 2   | 0.225 | -    | 10000@5v | -    | -   | 0.1 | 30        | SOT-23  |
| MGSF1P02 | 20  | 0.75  | 2.4 | 0.4   | 350  | 500      | -    | -   | 1   | 130       | SOT-23  |
| C1333    | 20  | 0.55  | 1.2 | 1     | 600  | 800      | 1000 | -   | 1   | 20        | SOT-23  |
| C2301    | 20  | 2.3   | 0.9 | 0.9   | -    | 100      | 150  | -   | 1   | 822.51    | SOT-23  |
| C2305    | 30  | 4.2   | 1.3 | 1.4   | 70   | 85       | 130  | -   | 1   | 823.18    | SOT-23  |
| C2305DS  | 8   | 3.5   | 0.8 | 0.225 | -    | 68       | 81   | 118 | 1   | 1245      | SOT-23  |
| C9435    | 30  | 5.3   | 3   | 2.5   | 50   | 70       | -    | -   | 1   | 745       | SOT-23  |
| BSS84W   | 50  | 0.113 | 20  | 0.225 | -    | 10@5V    | -    | -   | 0.1 | 30        | SOT-323 |
| U1333    | 20  | 0.55  | 1.2 | 0.35  | 600  | 800      | 1000 | -   | 1   | 66        | SOT-323 |
| N9435    | 30  | 6     | 3   | 2.7   | 50   | 100      | -    | -   | 1   | 507       | SOT-223 |
| N9575    | 60  | 4     | 3   | 3     | 90   | 120      | -    | -   | 1   | 1745      | SOT-223 |
| D9435    | 30  | 20    | 20  | 31    | 50   | 90       | -    | -   | 1   | 463       | TO-252  |
| D9575    | 60  | 15    | 3   | 36    | 90   | 120      | -    | -   | 1   | 1660      | TO-252  |
| K4435    | 30  | 8     | 3   | 2.5   | 20   | 35       | -    | -   | 1   | 2800      | SOP-8   |
| K6679    | 30  | 14    | 3   | 2.5   | 10   | 13       | -    | -   | 1   | 2860      | SOP-8   |
| K9431    | 20  | 3.5   | 1   | 2.5   | 130  | 180      | -    | -   | 1   | 405       | SOP-8   |
| K9435    | 30  | 5.3   | 3   | 2.5   | 55   | 90       | -    | -   | 1   | 745       | SOP-8   |

| Part No.  | Package       | Device    | Vds | Vgs(+) | ID   | PD(W) | Rds(on)/m Ohm max |      |      |        | Vgs(th)/typ | Ciss/pF | Coss/pF | Crss/pF | Qg/nC |      | Qgs/nC | Qgd/nC |
|-----------|---------------|-----------|-----|--------|------|-------|-------------------|------|------|--------|-------------|---------|---------|---------|-------|------|--------|--------|
|           |               |           |     |        |      |       | 10V               | 4.5V | 2.5V | 1.8V   |             |         |         |         | 10V   | 4.5V |        |        |
|           |               |           |     |        |      |       |                   |      |      |        |             |         |         |         |       |      |        |        |
| EU9916L   | TO-252(D-PAK) | Single-N  | 30  | 20     | 25   | 42    | 25                | 35   |      | 1.5    | 570         | 93      | 74      | 11      | 5.5   | 1.2  |        | 3.4    |
| EU816S    | TO-252(D-PAK) | Single-N  | 80  | 20     | 20   | 42    | 46                | 68   |      | 2      | 1580        | 108     | 89      | 25      | 12.5  | 2.8  |        | 8.1    |
| EU802S    | TO-252(D-PAK) | Single-N  | 80  | 20     | 25   | 62.5  | 35                | 50   |      | 3(max) | 3270        | 210     | 145     | 50      |       | 6    |        | 16     |
| EU650S    | TO-252(D-PAK) | Single-N  | 65  | 20     | 16   | 42    | 75                | 97   |      | 1.8    | 825         | 53      | 40      | 13      | 6.5   | 1.7  |        | 3.5    |
| EU624S    | TO-252(D-PAK) | Single-N  | 60  | 20     | 35   | 42    | 17.5              | 30   |      | 2.4    | 2260        | 142     | 115     | 32      |       | 4.5  |        | 10     |
| EU622S    | TO-252(D-PAK) | Single-N  | 60  | 20     | 17   | 42    | 74                | 96   |      | 1.9    | 810         | 53      | 40      | 13      | 6.4   | 1.8  |        | 3.5    |
| EU618S    | TO-252(D-PAK) | Single-N  | 60  | 20     | 21   | 60    | 56                | 70   |      | 2      | 1070        | 66      | 54      | 18.5    | 9.1   | 2.6  |        | 4.7    |
| EU616S    | TO-252(D-PAK) | Single-N  | 60  | 20     | 16   | 60    | 77                | 99   |      | 1.8    | 780         | 58.5    | 46.5    | 13.5    | 6.7   | 1.88 |        | 3.71   |
| EU612D    | TO-252-4L     | Comple    | 60  | 20     | 8.6  | 10.5  | 76                | 90   |      | 1.6    | 850         | 48      | 40      | 17      | 8.3   | 1.7  |        | 4.7    |
|           |               | ntary N&P | -60 | 20     | -7.3 | 10.5  | 110               | 145  |      | -1.7   | 740         | 64      | 38      | 13.5    | 6     | 1.6  |        | 3.6    |
| EU610S    | TO-252(D-PAK) | Single-N  | 60  | 20     | 9.5  | 42    | 240               |      |      | 3      | 348         | 34.5    | 17      | 4.7     |       | 1.3  |        | 1.3    |
| EU609S    | TO-252(D-PAK) | Single-P  | -60 | 20     | -60  | 42    | 53                | 80   |      | -2.7   | 2420        | 144     | 107     | 43      | 20    | 7    |        | 11.2   |
| EU608S    | TO-252(D-PAK) | Single-N  | 60  | 20     | 16   | 50    | 55                | 65   |      | 1.6    | 620         | 71      | 45      | 13      | 6.4   | 1.4  |        | 3.2    |
| EU606S    | TO-252(D-PAK) | Single-N  | 60  | 20     | 18   | 36    | 60                | 75   |      | 1.8    | 825         | 72      | 48      | 13.5    | 6.3   | 1.6  |        | 3.4    |
| EU602S    | TO-252(D-PAK) | Single-N  | 60  | 20     | 22   | 50    | 30                | 38   |      | 1.8    | 1230        | 125     | 80      | 24.5    | 12    | 2.8  |        | 6      |
| EU6025NL2 | TO-252(D-PAK) | Single-N  | 30  | 20     | 60   | 42    | 6.5               | 9.5  |      | 1.7    | 1080        | 385     | 240     | 23.5    | 12.5  | 2    |        | 7      |
| EU6025NL  | TO-252(D-PAK) | Single-N  | 30  | 20     | 60   | 50    | 7                 | 10   |      | 1.6    | 3270        | 590     | 420     | 59.6    | 28.3  | 8.5  |        | 12.6   |
| EU601S    | TO-252(D-PAK) | Single-P  | -60 | 20     | -15  | 42    | 95                | 125  |      | -2.3   | 1107        | 76      | 56      | 23      | 10.6  | 2.9  |        | 5.9    |
| EU600S    | TO-252(D-PAK) | Single-N  | 60  | 20     | 16   | 50    | 55                | 70   |      | 1.8    | 670         | 72      | 45      | 14.2    | 7     | 1.7  |        | 3.8    |
| EU5025NL2 | TO-252(D-PAK) | Single-N  | 25  | 20     | 50   | 42    | 9.5               | 15   |      | 1.8    | 570         | 225     | 145     | 12.5    | 6.5   | 1.5  |        | 3.5    |
| EU458S    | TO-252(D-PAK) | Single-N  | 40  | 20     | 48   | 42    | 8                 | 11   |      | 1.9    | 1360        | 240     | 200     | 31      | 15.5  | 2.8  |        | 10     |
| EU456S    | TO-252(D-PAK) | Single-N  | 40  | 20     | 30   | 42    | 24                | 36   |      | 1.7    | 705         | 79      | 61      | 11.5    | 5.5   | 1.5  |        | 3.2    |
| EU456A    | TO-252(D-PAK) | Single-N  | 40  | 20     | 30   | 42    | 23                | 36   |      | 1.9    | 540         | 87      | 70      | 11.5    | 6     | 1.5  |        | 3.8    |
| EU452S    | TO-252(D-PAK) | Single-N  | 40  | 20     | 50   | 42    | 10                | 13   |      | 1.6    | 1370        | 220     | 162     | 26      | 12.5  | 3    |        | 6.8    |
| EU449S    | TO-252(D-PAK) | Single-P  | -40 | 20     | -24  | 42    | 41                | 74   |      | -2.5   | 900         | 115     | 90      | 20      | 9.5   | 2.5  |        | 5.5    |
| EU448S    | TO-252(D-PAK) | Single-N  | 40  | 20     | 30   | 42    | 26                | 69   |      | 2.5    | 790         | 79      | 60      | 11.5    | 3.1   | 2.2  |        | 3.5    |
| EU446S    | TO-252(D-PAK) | Single-N  | 40  | 20     | 38   | 42    | 16.5              | 28   |      | 2      | 755         | 121     | 102     | 16.5    | 8.7   | 2.1  |        | 5      |
| EU442S    | TO-252(D-PAK) | Single-N  | 40  | 20     | 25   | 42    | 27                | 48   |      | 2      | 810         | 81      | 66      | 14.5    | 6.3   | 2.1  |        | 4.3    |
| EU441S    | TO-252(D-PAK) | Single-P  | -40 | 20     | -27  | 42    | 35                | 61   |      | -1.9   | 1025        | 127     | 110     | 22.5    | 10.5  | 2.1  |        | 6.5    |
| EU438S    | TO-252(D-PAK) | Single-N  | 40  | 20     | 50   | 42    | 9                 | 11   |      | 1.7    | 1380        | 250     | 155     | 26      | 12    | 2.5  |        | 6.6    |
| EU438A    | TO-252(D-PAK) | Single-N  | 40  | 20     | 47   | 42    | 9                 | 11   |      | 1.6    | 1460        | 245     | 175     | 25      | 12.5  | 2.5  |        | 7      |
| EU435S    | TO-252(D-PAK) | Single-P  | -40 | 20     | -38  | 42    | 17.5              | 27   |      | -1.7   | 1950        | 229     | 186     | 42      | 20    | 3.4  |        | 11     |
| EU434S    | TO-252(D-PAK) | Single-N  | 40  | 20     | 50   | 42    | 9.2               | 11.5 |      | 1.7    | 1160        | 211     | 135     | 50      | 10    | 2.1  |        | 5      |
| EU432S    | TO-252(D-PAK) | Single-N  | 40  | 20     | 50   | 42    | 9                 | 11   |      | 1.6    | 1130        | 240     | 145     | 23.5    | 11.5  | 2.7  |        | 3.2    |



|           |               |                       |     |    |     |      |         |         |  |  |  |      |      |     |     |      |      |      |      |
|-----------|---------------|-----------------------|-----|----|-----|------|---------|---------|--|--|--|------|------|-----|-----|------|------|------|------|
| EU432L    | TO-252(D-PAK) | Single-N              | 40  | 20 | 42  | 42   | 10      | 15      |  |  |  | 1.5  | 1290 | 175 | 152 | 25   | 12.2 | 2.1  | 8    |
| EU428S    | TO-252(D-PAK) | Single-N              | 40  | 20 | 50  | 50   | 10      | 13      |  |  |  | 1.7  | 1505 | 220 | 150 | 28   | 12.5 | 3    | 6    |
| EU426S    | TO-252(D-PAK) | Single-N              | 40  | 20 | 53  | 50   | 10      | 12      |  |  |  | 1.6  | 1600 | 280 | 150 | 32   | 15   | 3.5  | 7.3  |
| EU421S    | TO-252(D-PAK) | Single-P              | -40 | 20 | -10 | 50   | 45      | 60      |  |  |  | -1.7 | 900  | 135 | 85  | 17   | 8    | 1.8  | 5    |
| EU420S    | TO-252(D-PAK) | Single-N              | 40  | 20 | 24  | 50   | 24      | 30      |  |  |  | 1.9  | 750  | 110 | 65  | 15   | 7    | 2.5  | 4    |
| EU419S    | TO-252(D-PAK) | Single-P              | -40 | 20 | -50 | 70   | 11.5    | 16      |  |  |  | -1.5 | 3550 | 710 | 420 | 87   | 42   | 9    | 20   |
| EU419A    | TO-252(D-PAK) | Single-P              | -40 | 20 | -60 | 42   | 11      | 16      |  |  |  | -1.8 | 3480 | 480 | 420 | 88   | 43   | 8    | 25   |
| EU417S    | TO-252(D-PAK) | Single-P              | -40 | 20 | -43 | 42   | 14(TYP) | 23(TYP) |  |  |  | -1.8 | 2620 | 360 | 265 | 65   | 31   | 6.5  | 19   |
| EU417L    | TO-252(D-PAK) | Single-P              | -40 | 20 | -34 | 42   | 16      | 26      |  |  |  | -1.9 | 1840 | 280 | 173 | 34   | 16   | 4    | 9.4  |
| EU413S    | TO-252(D-PAK) | Single-P              | -40 | 20 | -22 | 42   | 48      | 78      |  |  |  | -1.8 | 895  | 138 | 67  | 14.5 | 7    | 2.1  | 3.4  |
| EU412S    | TO-252(D-PAK) | Single-N              | 40  | 20 | 22  | 25   | 26      | 40      |  |  |  | 1.8  | 470  | 91  | 53  | 7.6  | 4    | 1.4  | 2.2  |
| EU411D    | TO-252-4L     | Compleme<br>ntary N&P | 40  | 20 | 15  | 11   | 32      | 42      |  |  |  | 1.8  | 623  | 95  | 56  | 9.5  | 4.5  | 1.6  | 2.3  |
| EU410S    | TO-252(D-PAK) | Single-N              | 40  | 20 | -12 | 11   | 48      | 68      |  |  |  | -1.6 | 895  | 138 | 67  | 14.5 | 7    | 2.1  | 3.4  |
| EU40N01   | TO-252(D-PAK) | Single-N              | 100 | 20 | 40  | 75   | 24      | 30      |  |  |  | 1.9  | 690  | 140 | 95  | 13.5 | 6.7  | 1.65 | 3.85 |
| EU409DH   | TO-252-4L     | Compleme<br>ntary N&P | 40  | 20 | 18  | 11   | 24      | 30      |  |  |  | 1.8  | 700  | 120 | 75  | 14   | 7    | 1.6  | 3.4  |
| EU408D    | TO-252-4L     | Compleme<br>ntary N&P | 40  | 20 | -14 | 11   | 35      | 50      |  |  |  | -1.8 | 1000 | 175 | 95  | 17.5 | 8.5  | 2.3  | 4.5  |
| EU407DH   | TO-252-4L     | Compleme<br>ntary N&P | 40  | 20 | 14  | 10.5 | 27      | 41      |  |  |  | 1.8  | 785  | 80  | 68  | 15   | 7.2  | 1.7  | 4.5  |
| EU407D    | TO-252-4L     | Compleme<br>ntary N&P | 40  | 20 | -12 | 10.5 | 37      | 60      |  |  |  | -1.8 | 863  | 142 | 92  | 16.8 | 8.1  | 1.8  | 4.8  |
| EU405DH   | TO-252-4L     | Compleme<br>ntary N&P | 40  | 20 | 16  | 11   | 29      | 39      |  |  |  | 1.8  | 735  | 120 | 70  | 15   | 7.2  | 2    | 3.8  |
| EU404D    | TO-252-4L     | Compleme<br>ntary N&P | 40  | 20 | -12 | 11   | 47      | 64      |  |  |  | -1.6 | 920  | 135 | 75  | 15   | 7.2  | 2    | 4    |
| EU404D    | TO-252-4L     | Compleme<br>ntary N&P | 40  | 20 | 16  | 11   | 30      | 40      |  |  |  | 1.8  | 735  | 120 | 70  | 15   | 7.2  | 2    | 3.8  |
| EU404D    | TO-252-4L     | Compleme<br>ntary N&P | 40  | 20 | -12 | 11   | 48      | 65      |  |  |  | -1.6 | 920  | 135 | 75  | 15   | 7.2  | 2    | 4    |
| EU404D    | TO-252-4L     | Compleme<br>ntary N&P | 40  | 20 | 11  | 11   | 33      | 45      |  |  |  | 1.5  | 580  | 82  | 50  | 11.3 | 5.8  | 1.2  | 2.9  |
| EU404D    | TO-252-4L     | Compleme<br>ntary N&P | 40  | 20 | -9  | 11   | 45      | 65      |  |  |  | -1.7 | 980  | 135 | 90  | 20.7 | 11   | 1.5  | 6.2  |
| EU404D    | TO-252-4L     | Compleme<br>ntary N&P | 40  | 20 | 16  | 11   | 30      | 40      |  |  |  | 1.8  | 885  | 105 | 65  | 17   | 8.6  | 2.2  | 4.8  |
| EU404D    | TO-252-4L     | Compleme<br>ntary N&P | 40  | 20 | -12 | 11   | 48      | 65      |  |  |  | -1.6 | 980  | 135 | 90  | 20.7 | 11   | 1.5  | 6.2  |
| EU404D    | TO-252-4L     | Compleme<br>ntary N&P | 40  | 20 | 16  | 11   | 30      | 40      |  |  |  | 1.8  | 885  | 105 | 65  | 17   | 8.6  | 2.2  | 4.8  |
| EU404D    | TO-252-4L     | Compleme<br>ntary N&P | 40  | 20 | -12 | 11   | 48      | 65      |  |  |  | -1.6 | 980  | 135 | 90  | 20.7 | 11   | 1.5  | 6.2  |
| EU402D    | TO-252-4L     | Dual-N                | 40  | 20 | 16  | 11   | 30      | 40      |  |  |  | 1.8  | 770  | 103 | 65  | 17   | 8.7  | 1.9  | 4.5  |
| EU36L01A  | TO-252(D-PAK) | Single-N              | 100 | 20 | 36  | 54   | 21.5    |         |  |  |  | 2.8  | 3370 | 230 | 196 | 53   |      | 8    | 22   |
| EU35L01HA | TO-252(D-PAK) | Single-N              | 100 | 20 | 35  | 60   | 25      |         |  |  |  | 2.7  | 3160 | 215 | 178 | 57   |      | 8.5  | 22   |
| EU35L01A  | TO-252(D-PAK) | Single-N              | 100 | 20 | 35  | 50   | 25      |         |  |  |  | 2.9  | 3300 | 243 | 160 | 44   |      | 8.5  | 16   |
| EU35L01   | TO-252(D-PAK) | Single-N              | 100 | 20 | 35  | 60   | 31      |         |  |  |  | 2.8  | 2600 | 203 | 123 | 36   |      | 6.3  | 14   |
| EU339S    | TO-252(D-PAK) | Single-N              | 30  | 20 | 40  | 42   | 9.6     | 15      |  |  |  | 1.7  | 900  | 161 | 124 | 14   | 6.5  | 1.8  | 4.1  |
| EU336S    | TO-252(D-PAK) | Single-N              | 30  | 20 | 55  | 42   | 5.6     | 9       |  |  |  | 1.6  | 1550 | 242 | 204 | 23   | 11   | 2.3  | 7.1  |
| EU334S    | TO-252(D-PAK) | Single-N              | 30  | 20 | 60  | 42   | 4.7     | 6.8     |  |  |  | 1.6  | 2060 | 323 | 255 | 29   | 13.5 | 2.7  | 9    |
| EU330S    | TO-252(D-PAK) | Single-N              | 30  | 20 | 20  | 21   | 28      | 38      |  |  |  | 1.9  | 478  | 100 | 65  | 8.1  | 40   | 1.3  | 2.2  |
| EU328S    | TO-252(D-PAK) | Single-N              | 30  | 20 | 58  | 42   | 4.9     | 7.2     |  |  |  | 1.6  | 1950 | 325 | 256 | 29   | 13.5 | 2.6  | 8.6  |

|           |               |           |      |     |       |      |     |     |  |  |      |      |     |     |      |      |     |      |
|-----------|---------------|-----------|------|-----|-------|------|-----|-----|--|--|------|------|-----|-----|------|------|-----|------|
| EU326S    | TO-252(D-PAK) | Single-N  | 30   | 20  | 52    | 42   | 6.3 | 9.5 |  |  | 1.5  | 1195 | 245 | 205 | 19.5 | 10   | 2   | 6.5  |
| EU320S    | TO-252(D-PAK) | Single-N  | 30   | 20  | 30    | 32   | 20  | 29  |  |  | 1.8  | 430  | 140 | 88  | 8    | 4    | 0.9 | 2.5  |
| EU314D    | TO-252-4L     | Comple    | -30  | 20  | -14   | 10.4 | 34  | 55  |  |  | -1.8 | 815  | 215 | 125 | 15.5 | 7.3  | 1.7 | 4.7  |
|           |               | ntary N&P | 30   | 20  | 16    | 10.4 | 28  | 40  |  |  | 1.9  | 505  | 105 | 65  | 8.8  | 4.3  | 1.5 | 2.3  |
| EU313D    | TO-252-4L     | Comple    | 30   | 20  | 18    | 10   | 24  | 35  |  |  | 2    | 440  | 130 | 70  | 8.3  | 4.3  | 1.4 | 2.1  |
|           |               | ntary N&P | -30  | 20  | -15.5 | 10   | 33  | 52  |  |  | -1.7 | 815  | 225 | 130 | 16   | 7.8  | 1.6 | 4.8  |
| EU312D    | TO-252-4L     | Comple    | 30   | 24  | 18    | 11   | 24  | 36  |  |  | 1.8  | 640  | 180 | 110 | 13   | 6.8  | 1.5 | 3.5  |
|           |               | ntary N&P | -30  | 24  | -14   | 11   | 34  | 54  |  |  | -1.7 | 800  | 215 | 120 | 15   | 7    | 1.3 | 5    |
| EU310DH   | TO-252-4L     | Comple    | -30  | 20  | -15   | 11   | 30  | 44  |  |  | -1.8 | 1120 | 280 | 190 | 22   | 10.5 | 2.5 | 6.5  |
|           |               | ntary N&P | 30   | 20  | 19    | 11   | 20  | 28  |  |  | 1.8  | 635  | 170 | 97  | 12   | 6    | 1.8 | 3.5  |
| EU30N15   | TO-252(D-PAK) | Single-N  | 150  | 20  | 22    | 75   | 72  |     |  |  | 3    | 2387 | 160 | 88  | 26.5 |      | 5.2 | 9.1  |
|           |               | Single-N  | 100  | 20  | 30    | 68   | 36  |     |  |  | 2.8  | 1235 | 136 | 76  | 14.5 |      | 3   | 6    |
| EU30L01A  | TO-252(D-PAK) | Single-N  | 100  | 20  | 30    | 50   | 37  |     |  |  | 3    | 2160 | 166 | 105 | 30   |      | 6.5 | 12   |
|           |               | Single-N  | 100  | 20  | 30    | 50   | 37  |     |  |  | 2.8  | 3350 | 163 | 99  | 45   |      | 8   | 14   |
| EU309DH   | TO-252-4L     | Comple    | 30   | 20  | 18    | 11   | 22  | 34  |  |  | 1.8  | 640  | 180 | 110 | 13   | 6.8  | 1.5 | 3.5  |
|           |               | ntary N&P | -30  | 210 | -14   | 11   | 34  | 54  |  |  | -1.9 | 850  | 220 | 130 | 16   | 8    | 1.6 | 4.7  |
| EU309D    | TO-252-4L     | Comple    | 30   | 20  | 18    | 11   | 23  | 32  |  |  | 1.8  | 640  | 180 | 110 | 13   | 6.8  | 1.5 | 3.5  |
|           |               | ntary N&P | -30  | 20  | -14   | 11   | 35  | 55  |  |  | -1.9 | 850  | 220 | 130 | 16   | 8    | 1.6 | 4.7  |
| EU307S    | TO-252(D-PAK) | Single-P  | -30  | 20  | -53   | 42   | 9.5 | 14  |  |  | -1.8 | 3100 | 850 | 400 | 75   | 35   | 8   | 22   |
|           |               | Single-N  | 25   | 16  | 12    | 50   | 60  | 85  |  |  | 1.1  | 240  | 97  | 68  | 5.9  | 3.2  | 0.8 | 1.3  |
| EU3055L   | TO-252(D-PAK) | Single-P  | -30  | 20  | -24   | 50   | 28  | 40  |  |  | -1.8 | 1130 | 270 | 170 | 22   | 10.6 | 2.7 | 6.4  |
|           |               | Single-N  | 30   | 20  | 30    | 50   | 18  | 25  |  |  | 1.7  | 830  | 180 | 120 | 17   | 9    | 1.8 | 5    |
| EU3030NLS | TO-252(D-PAK) | Single-N  | 30   | 20  | 50    | 50   | 9   | 12  |  |  | 1.7  | 1020 | 325 | 225 | 26   | 13   | 2.3 | 8.2  |
|           |               | Single-N  | 30   | 20  | 50    | 50   | 9   | 12  |  |  | 2    | 1460 | 88  | 75  | 26   | 13   | 2.6 | 9.3  |
| EU25L01   | TO-252(D-PAK) | Single-N  | 100  | 20  | 25    | 50   | 42  | 55  |  |  | -1.7 | 1730 | 185 | 125 | 31   | 13.5 | 3.5 | 7    |
|           |               | Single-P  | -55  | 20  | -24   | 50   | 42  | 55  |  |  | 1.8  | 840  | 85  | 70  | 18.7 | 8.9  | 3.9 | 3.1  |
| EU2455PLS | TO-252(D-PAK) | Single-N  | 40   | 20  | 10    | 50   | 35  | 60  |  |  | 2.4  | 4700 | 157 | 122 | 76   |      | 11  | 22   |
|           |               | Single-N  | 150  | 20  | 20    | 50   | 73  | 88  |  |  | 1.8  | 1460 | 88  | 75  | 26   | 13   | 2.6 | 9.3  |
| EU2240NL  | TO-252(D-PAK) | Single-N  | 100  | 20  | 20    | 42   | 54  | 63  |  |  | 1.8  | 3500 | 162 | 122 | 48   | 22   | 6   | 12.5 |
|           |               | Single-P  | -30  | 20  | -20   | 50   | 32  | 55  |  |  | -1.7 | 950  | 250 | 170 | 18.5 |      | 1.6 | 5.8  |
| EU20N15   | TO-252(D-PAK) | Single-N  | 55   | 20  | 10    | 50   | 55  | 80  |  |  | 1.9  | 635  | 75  | 50  | 12.8 | 7.1  | 2.6 | 3.8  |
|           |               | Single-P  | -55  | 20  | -15   | 42   | 68  | 85  |  |  | -1.8 | 830  | 110 | 65  | 16.7 | 8.1  | 1.9 | 4.1  |
| EU20L01A  | TO-252(D-PAK) | Single-P  | -100 | 20  | -17   | 42   | 81  | 94  |  |  | -1.8 | 4100 | 237 | 90  | 96   | 43   | 12  | 20   |
|           |               | Single-N  | 100  | 20  | 14.7  | 50   | 100 |     |  |  | 1.6  | 480  | 47  | 29  | 7.8  |      | 1.3 | 2.9  |
| EU20L01   | TO-252(D-PAK) | Single-N  | 100  | 20  | 14.7  | 50   | 145 | 195 |  |  | 1.6  | 480  | 47  | 29  | 7.8  |      | 1.3 | 2.9  |
|           |               | Single-N  | 100  | 20  | 14.7  | 50   | 100 |     |  |  | 1.6  | 480  | 47  | 29  | 7.8  |      | 1.3 | 2.9  |
| EU1530PL  | TO-252(D-PAK) | Single-P  | -30  | 20  | -20   | 50   | 45  | 60  |  |  | -1.5 | 809  | 174 | 101 | 18.8 | 9.5  | 3.9 | 3.2  |
|           |               | Single-N  | 100  | 20  | 12    | 50   | 140 | 245 |  |  | 1.8  | 480  | 47  | 27  | 7.8  |      | 1.3 | 2.9  |

|         |               |                   |     |    |      |      |            |           |      |  |  |      |      |      |     |      |           |      |      |
|---------|---------------|-------------------|-----|----|------|------|------------|-----------|------|--|--|------|------|------|-----|------|-----------|------|------|
| EU10L01 | TO-252(D-PAK) | Single-N          | 100 | 20 | 10   | 50   | 213        |           |      |  |  | 1.8  | 310  | 35   | 20  | 5.5  | 1         | 1    | 2    |
| ET6603  | SOT-223       | Single-P          | -60 | 20 | -2.5 | 2.08 | 180        | 240       |      |  |  | -2   | 780  | 65   | 40  | 13.5 | 6.8       | 1.8  | 2.6  |
| ET622S  | SOT-223       | Single-N          | 60  | 20 | 4.2  | 3    | 76         | 100       |      |  |  | 1.9  | 720  | 52   | 39  | 12   | 6         | 1.5  | 3.2  |
| ET600   | SOT-223       | Single-N          | 80  | 20 | 1.4  | 3    | 600        | 708       |      |  |  | 1.7  | 170  | 22   | 13  | 3.2  | 1.8       | 0.65 | 0.9  |
| ET4660  | SOT-223       | Single-N          | 60  | 20 | 8.5  | 3    | 23         | 36        |      |  |  | 2    | 2250 | 197  | 150 | 38   | 18        | 5    | 10.5 |
| ET432S  | SOT-223       | Single-N          | 40  | 20 | 11   | 3    | 11.5       | 15        |      |  |  | 1.5  | 1160 | 218  | 140 | 22   | 11.2      | 2.5  | 5.4  |
| ET3414  | SOT-223       | Single-N          | 30  | 12 | 7    | 3    | 33         | 42        | 57   |  |  | 0.9  | 390  | 69   | 56  | 9.8  | 5         | 0.7  | 2    |
| ET10L01 | SOT-223       | Single-N          | 100 | 20 | 3    | 3    | 140        | 225       |      |  |  | 1.5  | 455  | 48   | 32  | 8    | 4.5       | 1.2  | 2.6  |
| ET100   | SOT-223       | Single-N          | 100 | 20 | 1.2  | 3    | 1.85 (ohm) | 2.3 (ohm) |      |  |  | 2.3  | 69   | 16.6 | 8.2 | 1.9  | 1.3       | 0.55 | 0.67 |
| ET08L01 | SOT-223       | Single-N          | 100 | 20 | 2.5  | 3    | 225        | 360       |      |  |  | 1.9  | 312  | 35   | 22  | 5.7  | 3.2       | 1.1  | 1.8  |
| ES8816  | TSOT26        | Dual-N            | 20  | 12 | 7    | 1.25 |            | 17.5      | 27.5 |  |  | 0.75 | 298  | 148  | 72  |      | 9.4       | 1.4  | 4.9  |
| ES8235  | SOT26         | Dual-N            | 30  | 10 | 4.5  | 1.25 |            | 36        | 46   |  |  | 0.7  | 440  | 80   | 56  |      | 6.7       | 1.5  | 2.2  |
| ES8217  | TSOT-26       | Dual-N            | 24  | 12 | 7    | 1.25 |            | 16.5@4.0V | 27   |  |  | 0.85 | 564  | 188  | 174 |      | 10.7@4.0V | 1.6  | 4.8  |
| ES8216  | SOT-26        | Dual-N            | 20  | 10 | 6    | 1.25 |            | 20@4V     | 27   |  |  | 0.8  | 470  | 164  | 142 |      | 10@4V     | 2.1  | 4.5  |
| ES8215  | SOT26         | Dual-N            | 20  | 12 | 5.5  | 1.25 |            | 24.5      | 36.5 |  |  | 0.9  | 485  | 155  | 135 |      | 8.6       | 1.5  | 4.2  |
| ES8212  | TSOT-26       | Dual-N            | 20  | 12 | 8    | 1.25 |            | 14.5      | 22   |  |  | 1    | 481  | 164  | 150 |      | 10        | 2.1  | 5.2  |
| ES8207  | TSOT-26       | Dual-N            | 20  | 12 | 4.5  | 1.25 |            | 34(@4.0V) | 49   |  |  | 0.9  | 240  | 120  | 57  |      | 6.4@4.0V  | 1.3  | 3.7  |
| ES8205  | SOT26         | Dual-N            | 20  | 12 | 5    | 1.25 |            | 27.5      | 38   |  |  | 0.9  | 485  | 155  | 135 |      | 8.6       | 1.5  | 4.2  |
| ES8202  | TSOT-26       | Dual-N            | 20  | 12 | 5    | 1.25 |            | 27        | 38   |  |  | 0.8  | 240  | 120  | 57  |      | 6.4       | 1.3  | 3.7  |
| ES8201  | SOT26         | Dual-N            | 20  | 12 | 6    | 1.25 |            | 20        | 29.5 |  |  | 0.9  | 463  | 156  | 142 |      | 9.1       | 1.4  | 4.5  |
| ES6N20  | SOT-23        | Single-N          | 60  | 20 | 0.8  | 1.25 | 1.05(Ohm)  | 1.3(Ohm)  |      |  |  | 1.9  | 41   | 17   | 9   | 1.5  | 1         | 0.38 | 0.57 |
| ES6604L | SOT-26        | Complementary N&P | 20  | 12 | 4    | 1.25 |            | 60        | 75   |  |  | 0.74 | 224  | 84   | 67  |      | 5         | 0.85 | 2.4  |
|         |               |                   | -20 | 12 | -2.5 | 1.25 |            | 138       | 190  |  |  | -0.7 | 290  | 40   | 65  |      | 2.9       | 0.28 | 1    |
| ES6601  | SOT26         | Single-P          | -60 | 20 | -3.2 | 2    | 110        | 160       |      |  |  | -2   | 745  | 69   | 42  | 13.5 | 6.5       | 1.5  | 3.2  |
| ES6415  | TSOT-26       | Single-P          | -20 | 10 | -2.8 | 1.25 |            | 100       | 138  |  |  | -0.8 | 347  | 100  | 81  |      | 5         | 0.4  | 2.2  |
| ES6409  | TSOT-26       | Single-P          | -20 | 10 | -4   | 1.25 |            | 49        | 65   |  |  | -0.7 | 613  | 159  | 141 |      | 11.8      | 0.85 | 4.7  |
| ES6308  | SOT-23        | Single-N          | 60  | 20 | 3    | 1.25 | 83         | 107       |      |  |  | 1.8  | 950  | 52   | 40  | 15   | 7         | 1.8  | 3.5  |
| ES4622  | SOT26         | Dual-N            | 40  | 20 | 3    | 1.25 | 65         | 85        |      |  |  | 1.8  | 330  | 50   | 28  | 6.7  |           | 0.9  | 1.6  |
| ES4501  | SOT-23        | Single-P          | -40 | 20 | -3.5 | 1.25 | 65         | 85        |      |  |  | -1.6 | 660  | 100  | 60  | 13   | 6.5       | 1.4  | 3.8  |
| ES4300  | SOT-23        | Single-N          | 40  | 20 | 3.5  | 1.25 | 62         | 80        |      |  |  | 1.6  | 320  | 55   | 32  | 6    |           | 0.8  | 1.5  |
| ES400   | SOT-23        | Single-N          | 40  | 20 | 1.2  | 1.25 | 350        | 500       |      |  |  | 1.3  | 40   | 17.5 | 9.5 | 1.7  | 1.15      | 0.42 | 0.61 |
| ES3623  | SOT26         | Dual-N            | 30  | 20 | 4    | 1.25 | 50         | 65        |      |  |  | 1.6  | 280  | 70   | 38  | 5.9  |           | 0.7  | 1.4  |
| ES3621  | SOT26         | Complementary N&P | 30  | 20 | 3    | 1.25 | 50         | 65        |      |  |  | 1.7  | 330  | 70   | 45  | 6    | 3         | 1    | 1.5  |
|         |               |                   | -30 | 20 | -2   | 1.25 | 90         | 135       |      |  |  | -1.8 | 360  | 84   | 52  | 7    | 3.4       | 0.9  | 2.2  |
| ES3426  | SOT-23        | Single-N          | 30  | 12 | 4.2  | 1.25 | 31         | 40        | 52   |  |  | 0.8  | 406  | 73   | 58  | 7.1  | 5.2       | 1.2  | 3    |
| ES3419  | SOT-23        | Single-P          | -30 | 20 | -3.8 | 1.25 | 65         | 90        |      |  |  | -1.6 | 500  | 95   | 74  | 10   | 5         | 0.83 | 2.85 |
| ES3417  | SOT-23        | Single-P          | -30 | 12 | -3   | 1.25 |            | 96        | 123  |  |  | -0.7 | 323  | 73   | 53  |      | 9         | 1.3  | 2.7  |
| ES3415  | SOT-23        | Single-P          | -20 | 10 | -4.2 | 1.25 |            | 46        | 61   |  |  | -0.7 | 613  | 159  | 141 |      | 11.8      | 0.85 | 4.7  |
| ES3414  | SOT-23        | Single-N          | 30  | 12 | 4    | 1.25 | 50         | 60        | 75   |  |  | 0.9  | 440  | 62   | 37  | 9.3  | 4.6       | 1    | 1.4  |

|          |         |                       |     |    |      |      |      |      |     |  |       |      |     |     |      |      |      |      |
|----------|---------|-----------------------|-----|----|------|------|------|------|-----|--|-------|------|-----|-----|------|------|------|------|
| ES3409L  | SOT-23  | Single-P              | -20 | 10 | -3.2 | 1.25 | 75   | 95   | 137 |  | -0.8  | 298  | 78  | 69  | 11   | 5    | 0.4  | 1.9  |
| ES3409   | SOT-23  | Single-P              | -30 | 20 | -2.2 | 1.25 | 169  | 293  |     |  | -1.8  | 150  | 51  | 29  | 3.1  | 1.6  | 0.3  | 0.88 |
| ES3405   | SOT-23  | Single-P              | -30 | 20 | -3   | 1.25 | 100  | 150  |     |  | -1.5  | 435  | 90  | 60  | 7.8  |      | 0.58 | 2.2  |
| ES3404   | SOT-23  | Single-N              | 30  | 20 | 4    | 1.25 | 54   | 76   |     |  | 1.7   | 330  | 65  | 50  | 7    | 3.5  | 1.2  | 1.8  |
| ES3402   | SOT-23  | Single-N              | 30  | 20 | 4.6  | 1.25 | 30   | 42   |     |  | 1.5   | 782  | 135 | 93  | 15.8 |      | 2    | 3    |
| ES3401A  | SOT-23  | Single-P              | -30 | 20 | -3.2 | 1.25 | 79   | 127  |     |  | -1.6  | 345  | 85  | 69  | 8.6  | 4.5  | 0.55 | 2.5  |
| ES3401   | SOT-23  | Single-P              | -30 | 20 | -3   | 1.25 | 75   | 100  |     |  | -1.5  | 653  | 130 | 97  | 13.5 | 7    | 2.3  | 2.8  |
| ES3400   | SOT-23  | Single-N              | 30  | 20 | 3.5  | 1.25 | 50   | 70   |     |  | 1.7   | 600  | 125 | 95  |      | 6.8  | 3.1  | 1.95 |
| ES3116E  | SOT-23  | Single-N              | 30  | 12 | 2.6  | 1.25 | 94   | 107  | 139 |  | 0.9   | 396  | 56  | 33  | 3.8  |      | 0.6  | 1.3  |
| ES2622A  | SOT-26  | Dual-N                | 20  | 12 | 3.4  | 1.25 |      | 60   | 90  |  | 0.78  | 230  | 55  | 35  |      | 4.5  | 0.9  | 1.9  |
| ES2621   | SOT-26  | Dual-P                | -20 | 10 | -2   | 1    |      | 130  | 190 |  | -0.8  | 295  | 63  | 52  |      | 3.5  | 0.9  | 1.1  |
| ES2620A  | SOT-26  | Compleme<br>ntary N&P | 20  | 10 | 2.5  | 1    |      | 50   | 76  |  | 0.7   | 248  | 83  | 67  |      | 5.6  | 1.2  | 2.5  |
|          |         |                       | -20 | 10 | -2   | 1    |      | 106  | 198 |  | -0.9  | 235  | 88  | 54  |      | 3.8  | 0.4  | 1.8  |
| ES2620   | SOT-26  | Compleme<br>ntary N&P | 20  | 10 | 2.8  | 1    |      | 53   | 78  |  | 0.8   | 232  | 82  | 66  |      | 5.6  | 1.2  | 2.4  |
|          |         |                       | -20 | 10 | -2   | 1    |      | 103  | 190 |  | -0.9  | 172  | 82  | 37  |      | 3.4  | 0.4  | 1.6  |
| ES2601   | SOT-26  | Single-P              | -20 | 12 | -4   | 2    |      | 80   | 110 |  | -0.8  | 586  | 101 | 59  |      | 5.92 | 1.36 | 1.4  |
| ES2309A  | SOT-23  | Single-P              | -20 | 10 | -2.3 | 1.25 |      | 130  | 190 |  | -0.8  | 290  | 60  | 45  |      | 3.2  | 0.7  | 0.8  |
| ES2308A  | SOT-23  | Single-N              | 20  | 10 | 2.7  | 1.25 |      | 80   | 110 |  | 0.8   | 215  | 65  | 45  |      | 3.8  | 1.2  | 0.9  |
| ES2307   | SOT-23  | Single-P              | -20 | 12 | -3   | 1.25 |      | 80   | 100 |  | -0.8  | 586  | 101 | 59  |      | 5.92 | 1.36 | 1.4  |
| ES2306E  | SOT-23  | Single-N              | 20  | 10 | 6.5  | 1.25 |      | 30   | 40  |  | 0.9   | 540  | 160 | 100 |      | 6.4  | 1.1  | 2.8  |
| ES2306A  | SOT-23  | Single-N              | 20  | 10 | 4.5  | 1.25 |      | 40   | 50  |  | 0.9   | 540  | 160 | 100 |      | 6.4  | 1.1  | 2.8  |
| ES2306   | SOT-23  | Single-N              | 20  | 8  | 2.8  | 1.25 |      | 45   | 60  |  | 0.8   | 608  | 114 | 86  |      | 9.2  | 1.6  | 2.6  |
| ES2305A  | SOT-23  | Single-P              | -20 | 10 | -3.3 | 1.25 |      | 70   | 100 |  | -0.8  | 380  | 196 | 175 |      | 7    | 0.6  | 3.5  |
| ES2302A  | SOT-23  | Single-N              | 20  | 10 | 4    | 1.25 |      | 44   | 65  |  | 0.8   | 220  | 80  | 65  |      | 6    | 1.5  | 2.5  |
| ES2301A  | SOT-23  | Single-P              | -20 | 10 | -2.6 | 1.25 |      | 120  | 160 |  | -0.8  | 330  | 75  | 60  |      | 4.2  | 0.4  | 1.5  |
| ES2301   | SOT-23  | Single-P              | -20 | 12 | -3.4 | 1.25 |      | 60   | 80  |  | -0.85 | 926  | 183 | 141 |      | 11.9 | 1.96 | 3.49 |
| ES2300S  | SOT-23  | Single-N              | 20  | 12 | 6    | 1.25 |      | 35   | 45  |  | 0.8   | 803  | 120 | 85  |      | 8.8  | 1.8  | 3.9  |
| ES126    | SOT-23  | Single-N              | 100 | 20 | 1.4  | 1.25 | 312  |      |     |  | 1.6   | 275  | 27  | 20  | 4.5  |      | 0.96 | 1.4  |
| EP80L60  | TO-220  | Single-N              | 60  | 20 | 80   | 130  | 12   | 16   |     |  | 2     | 4300 | 370 | 235 | 57.5 | 26   | 7.2  | 17.5 |
| EP70L60  | TO-220  | Single-N              | 60  | 20 | 80   | 125  | 12.5 |      |     |  | 2.7   | 3600 | 235 | 185 | 47   |      | 8    | 17   |
| EP656F   | TO-220F | Single-N              | 60  | 20 | 22   | 21   | 19   | 29   |     |  | 1.8   | 2180 | 196 | 132 | 34   | 17   | 4    | 9    |
| EP652F   | TO-220F | Single-N              | 60  | 20 | 29   | 46   | 28   | 39   |     |  | 2.2   | 1800 | 133 | 102 | 28   | 14   | 3.5  | 7    |
| EP60L60F | TO-220F | Single-N              | 60  | 20 | 32   | 30   | 19   |      |     |  | 2.8   | 2300 | 142 | 108 | 28   |      | 5    | 9.6  |
| EP60L60A | TO-220  | Single-N              | 60  | 20 | 65   | 125  | 19   |      |     |  | 2.8   | 2300 | 142 | 108 | 28   |      | 5    | 11   |
| EP60L60  | TO-220  | Single-N              | 60  | 20 | 50   | 105  | 25   | 42   |     |  | 2     | 1830 | 182 | 120 | 28   |      | 1.5  | 9    |
| EP45L01F | TO-220F | Single-N              | 100 | 20 | 40   | 62.5 | 25   |      |     |  | 2.9   | 3200 | 241 | 176 | 40   |      | 8    | 10.2 |
| EP423S   | TO-220  | Single-P              | -40 | 20 | -65  | 75   | 9.5  | 12.5 |     |  | -1.8  | 4210 | 650 | 380 | 94   | 48   | 9.5  | 25.2 |
| EP15L01F | TO-220F | Single-N              | 100 | 20 | 15   | 25   | 138  | 163  |     |  | 1.7   | 675  | 48  | 32  | 12.4 | 6.4  | 1.7  | 3.5  |
| M9930A   | SOP8    | Compleme              | 30  | 20 | 6    | 2    | 35   | 54   |     |  | 1.5   | 550  | 130 | 60  | 13   | 6.6  | 1.4  | 3.8  |





|         |          |  |                   |      |    |       |      |           |           |      |  |  |          |      |      |     |      |       |      |      |
|---------|----------|--|-------------------|------|----|-------|------|-----------|-----------|------|--|--|----------|------|------|-----|------|-------|------|------|
| M4800S  | SOP 8    |  | Single-N          | 30   | 20 | 8     | 2.5  | 20        | 28        |      |  |  | 1.7      | 820  | 177  | 60  | 15   | 7.7   | 2.2  | 4.7  |
| M4639   | SOP 8    |  | Single-P          | -30  | 20 | -14   | 2.5  | 8.5       | 13        |      |  |  | -1.7     | 4049 | 641  | 351 | 95   | 40    | 6    | 23   |
| M4637   | SOP8     |  | Single-P          | -30  | 20 | -7.7  | 2.5  | 30        | 48        |      |  |  | -1.8     | 1120 | 280  | 175 | 22   | 10.5  | 2.5  | 6.5  |
| M4635   | SOP8     |  | Single-P          | -40  | 20 | -7    | 2.5  | 33        | 50        |      |  |  | -1.6     | 935  | 192  | 105 | 17   | 8     | 1.4  | 4.6  |
| M4633   | SOP8     |  | Single-P          | -30  | 20 | -7    | 2.5  | 33        | 52        |      |  |  | -1.7     | 811  | 215  | 125 | 15   | 7.4   | 1.65 | 4.2  |
| M4615   | SOP 8    |  | Single-P          | -40  | 20 | -12.5 | 2.5  | 10.5      | 16        |      |  |  | -1.7     | 3500 | 480  | 420 | 85   | 42    | 8    | 22   |
| M4605   | SOP 8    |  | Single-P          | -40  | 20 | -6    | 2.5  | 39        | 58        |      |  |  | -1.7     | 970  | 120  | 100 | 20   | 10    | 1.9  | 5.2  |
| M4550   | SOP 8    |  | Single-N          | 60   | 20 | 5     | 2.5  | 60        | 75        |      |  |  | 1.8      | 700  | 80   | 50  | 15   | 7.5   | 1.6  | 4.3  |
| M4532   | SOP 8    |  | Complementary N&P | 30   | 20 | 5.5   | 2    | 40        | 50        |      |  |  | 0.8(min) | 510  | 155  | 127 |      | 9.3   | 2.5  | 3.2  |
|         |          |  |                   | -30  | 20 | -4.5  | 2    | 55        | 85        |      |  |  | -1.5     | 393  | 116  | 45  | 15.6 | 7.3   | 2.4  | 3.3  |
| M4472   | SOP8     |  | Single-N          | 40   | 20 | 7     | 2    | 24        | 30        |      |  |  | 1.8      | 700  | 140  | 80  | 13.5 | 6.7   | 1.8  | 2.4  |
| M4470E  | SOP8     |  | Single-N          | 40   | 20 | 9.5   | 2.5  | 12        | 15        |      |  |  | 1.7      | 1500 | 220  | 150 | 28   | 12.5  | 3    | 6    |
| M4470A  | SOP8     |  | Single-N          | 40   | 20 | 10    | 2.5  | 10.5      | 13.5      |      |  |  | 1.8      | 1200 | 230  | 150 | 22   | 10    | 2.6  | 5.5  |
| M4470   | SOP8     |  | Single-N          | 40   | 20 | 10    | 2.5  | 10        | 13        |      |  |  | 1.7      | 1020 | 240  | 135 | 19.5 | 9.8   | 2    | 5.5  |
| M4460   | SOP8     |  | Single-N          | 40   | 20 | 7     | 2.5  | 32        | 45        |      |  |  | 1.9      | 635  | 95   | 55  | 11   | 5.1   | 1.7  | 3    |
| M4439A  | SOP 8    |  | Single-P          | -30  | 25 | -14   | 2.5  | 10        | 18        |      |  |  | -1.9     | 3625 | 980  | 705 | 65.5 | 32.6  | 10.9 | 17.5 |
| M4437A  | SOP 8    |  | Single-P          | -30  | 25 | -10   | 2.5  | 15        | 26        |      |  |  | -1.9     | 2530 | 635  | 445 | 44.6 | 22    | 7.7  | 11.5 |
| M4435   | SOP8     |  | Single-P          | -30  | 25 | -8    | 2.5  | 20        | 33        |      |  |  | -1.8     | 1470 | 375  | 250 | 30   | 15    | 3.4  | 9.2  |
| M4433A  | SOP 8    |  | Single-P          | -30  | 20 | -6    | 2.5  | 35        | 55        |      |  |  | -1.9     | 920  | 270  | 170 | 17.5 | 9.4   | 2.9  | 4.8  |
| M4432   | SOP8     |  | Single-N          | 40   | 20 | 12    | 2.5  | 11        | 15        |      |  |  | 1.7      | 1375 | 220  | 170 | 27   | 13    | 3.5  | 6.5  |
| M4410A  | SOP 8    |  | Single-N          | 30   | 20 | 10    | 2.5  | 9.5       | 21        |      |  |  | 17       | 1500 | 380  | 240 | 30.5 | 15    | 6    | 8    |
| M301N   | SOP 8    |  | Single-N          | 100  | 20 | 5.2   | 2.5  | 48        | 56        |      |  |  | 1.5      | 3100 | 165  | 130 | 50   | 23    | 4.7  | 11   |
| M201N   | SOP 8    |  | Single-N          | 100  | 20 | 4     | 3.4  | 140       | 245       |      |  |  | 1.8      | 480  | 47   | 29  | 7.8  |       | 1.3  | 2.9  |
| M122N   | SOP8     |  | Dual-N            | 100  | 20 | 3.4   | 2    | 100       | 125       |      |  |  | 1.7      | 930  | 63   | 45  | 14   | 7.3   | 1.7  | 4    |
| M121N   | SOP 8    |  | Dual-N            | 100  | 20 | 2.8   | 2    | 155       | 192       |      |  |  | 1.9      | 725  | 50   | 32  | 10   |       | 1.4  | 2.6  |
| M102D   | SOP8     |  | Complementary N&P | 100  | 20 | 2     | 2    | 216       | 328       |      |  |  | 1.7      | 305  | 36   | 23  | 5.5  | 3.2   | 0.95 | 1.7  |
|         |          |  |                   | -100 | 20 | 1.3   | 2    | 547       | 614       |      |  |  | -1.8     | 840  | 47   | 29  | 15   | 7     | 1.5  | 2.9  |
| M101N   | SOP 8    |  | Single-N          | 100  | 20 | 3     | 2.8  | 210       | 350       |      |  |  | 1.8      | 310  | 35   | 20  | 5.5  |       | 1    | 2    |
| EK900   | SOT-89   |  | Single-N          | 100  | 20 | 1     | 1.25 | 1.9 (ohm) | 2.2 (ohm) |      |  |  | 1.7      | 64   | 17.4 | 8.5 | 1.9  | 1.2   | 0.43 | 0.62 |
| EK400   | SOT-89   |  | Single-N          | 40   | 20 | 1.3   | 1.25 | 390       | 550       |      |  |  | 1.8      | 40   | 17.5 | 9.5 | 1.7  | 1.15  | 0.42 | 0.61 |
| EK103   | SOT-89   |  | Single-N          | 100  | 20 | 2     | 1.25 | 210       | 312       |      |  |  | 1.9      | 310  | 38   | 24  | 5.6  | 3.3   | 0.9  | 1.7  |
| EG8820  | TSSOP8   |  | Dual-N            | 20   | 12 | 7     | 1.5  |           | 20        | 27   |  |  | 0.8      | 470  | 164  | 142 |      | 10    | 2.1  | 4.5  |
| EG8810A | TSSOP-8  |  | Dual-N            | 20   | 12 | 7     | 1.5  |           | 14.5      | 23   |  |  | 0.8      | 316  | 159  | 92  |      | 8.4   | 1.4  | 4.5  |
| EG8810  | TSSOP8   |  | Dual-N            | 20   | 12 | 7     | 1.5  |           | 18.5      | 28.5 |  |  | 0.9      | 300  | 151  | 71  |      | 9     | 1.5  | 5    |
| EG8211  | TSSOP8   |  | Dual-N            | 20   | 12 | 10    | 1.5  |           | 13.5@4V   | 18   |  |  | 0.8      | 1815 | 406  | 255 |      | 19@4V | 3.5  | 6.7  |
| EG8209  | TSSOP8   |  | Dual-N            | 20   | 12 | 6     | 1.5  |           | 26@4V     | 40   |  |  | 0.8      | 530  | 165  | 145 |      | 9@4V  | 1.4  | 4    |
| EG8205  | TSSOP8   |  | Dual-N            | 20   | 10 | 6     | 1.5  |           | 26        | 35   |  |  | 0.8      | 410  | 135  | 114 |      | 8.8   | 1.4  | 4.2  |
| EG2454  | TSSOP8   |  | Dual-N            | 24   | 12 | 7     | 1.5  |           | 17        | 29   |  |  | 0.8      | 730  | 200  | 180 |      | 12.5  | 2    | 5    |
| EF8810  | TDFN 2x3 |  | Dual-N            | 20   | 12 | 8     | 1.56 |           | 16        | 27.5 |  |  | 0.9      | 307  | 144  | 69  |      | 9(4V) | 1.8  | 5.4  |

|          |               |                       |           |          |             |              |            |  |           |      |  |             |              |            |            |              |             |            |            |
|----------|---------------|-----------------------|-----------|----------|-------------|--------------|------------|--|-----------|------|--|-------------|--------------|------------|------------|--------------|-------------|------------|------------|
| EF8220   | DFN           | Dual-N                | 20        | 12       | 7           | 1.56         |            |  | 20@4V     | 28   |  | 0.8         | 670          | 188        | 140        | 10           |             | 1.4        | 4.2        |
| EF8211   | TDFN 2x3      | Dual-N                | 20        | 12       | 8           | 1.56         |            |  | 13.5 (4V) | 20   |  | 0.7         | 705          | 235        | 218        |              | 13.4 (4V)   | 2          | 6          |
| EF9209A  | TDFN 2x5      | Dual-N                | 20        | 12       | 6.5         | 1.67         |            |  | 22        | 33.5 |  | 0.95        | 320          | 106        | 92         |              | 7.2 (4V)    | 1.4        | 4          |
| EF9209   | TDFN 2x3      | Dual-N                | 20        | 12       | 6.5         | 1.56         |            |  | 22        | 33.5 |  | 0.95        | 320          | 106        | 92         |              | 7.2 (4V)    | 1.4        | 4          |
| EF620S   | TO-220F       | Single-N              | 60        | 20       | 12          | 21           | 75         |  | 105       |      |  | 2           | 982          | 57         | 46         | 16           | 7.6         | 2.2        | 4          |
| EF2458A  | TDFN 2x5      | Dual-N                | 24        | 12       | 10          | 1.67         |            |  | 10        | 15.5 |  | 0.8         | 320          | 274        | 34         |              | 17.6 (4V)   | 2.5        | 9.6        |
| EF2456   | TDFN 2x3      | Dual-N                | 24        | 12       | 7           | 1.56         |            |  | 18.5      | 28   |  | 0.8         | 329          | 128        | 110        |              | 7.6         | 1.4        | 4.5        |
| EF2454A  | TDFN 2X5-6L   | Dual-N                | 24        | 12       | 8.6         | 1.67         |            |  | 14        | 20   |  | 0.8         | 380          | 180        | 67         |              | 13 (4.0V)   | 2          | 6.9        |
| EF2454   | TDFN          | Dual-N                | 24        | 12       | 8           | 1.56         |            |  | 14        | 20   |  | 0.8         | 380          | 180        | 67         |              | 13 (4.0V)   | 2          | 6.9        |
| ED1955NL | TO-251(I-PAK) | Single-N              | 55        | 20       | 10          | 50           | 55         |  | 80        |      |  | 1.9         | 635          | 75         | 50         | 12.8         | 7.1         | 2.6        | 3.8        |
| ED12L01A | TO-251(I-PAK) | Single-N              | 100       | 20       | 12          | 45           | 140        |  | 170       |      |  | 1.8         | 700          | 48         | 31         | 11.5         | 6           | 1.5        | 3.3        |
| ED12L01  | TO-251(I-PAK) | Single-N              | 100       | 20       | 12          | 50           | 160        |  |           |      |  | 2.8         | 520          | 47         | 29         | 7.8          | 1.9         | 2.9        |            |
| EC3116E  | SOT-323       | Single-N              | 30        | 12       | 2           | 1            | 94         |  | 107       | 139  |  | 0.9         | 396          | 56         | 33         | 3.8          |             | 0.6        | 1.3        |
| EC2201   | SOT-323       | Single-P              | -20       | 10       | -2          | 1            |            |  | 145       | 195  |  | -0.8        | 216          | 55         | 28         |              | 2.9         | 0.5        | 1.1        |
| EC2200   | SOT-323       | Single-N              | 20        | 10       | 2.3         | 1            |            |  | 85        | 110  |  | 0.8         | 210          | 75         | 46         |              | 4.2         | 0.88       | 1.53       |
| EB8444   | TO-263        | Single-N              | 40        | 20       | 80          | 62           | 4.8        |  |           |      |  | 2.8         | 6500         | 940        | 500        | 110          | 20          |            | 26         |
| EB458D   | TO-263        | Compleme<br>ntary N&P | 40<br>-40 | 20<br>20 | 30<br>-24   | 15.6<br>15.6 | 10.5<br>17 |  | 14<br>24  |      |  | 1.9<br>-1.6 | 1500<br>2480 | 250<br>350 | 170<br>260 | 25<br>61     | 12.5<br>31  | 2.3<br>5   | 7<br>17    |
| EB440S   | TO-263        | Single-N              | 40        | 20       | 65          | 62.5         | 8          |  | 11.5      |      |  | 2           | 1380         | 233        | 215        | 33.5         | 17          | 3.2        | 12         |
| EB438S   | TO-263        | Single-N              | 40        | 20       | 60          | 70           | 9          |  | 10        |      |  | 1.6         | 1360         | 248.5      | 143        | 26           | 12.5        | 2.8        | 6          |
| EB438A   | TO-263        | Single-N              | 40        | 20       | 60          | 62.5         | 8.1        |  | 11        |      |  | 1.8         | 1540         | 248        | 180        | 26.5         | 12.5        | 2.8        | 7.8        |
| EB434S   | TO-263        | Single-N              | 40        | 20       | 60          | 62.5         | 9.2        |  | 11.5      |      |  | 1.7         | 1160         | 211        | 135        | 20           | 10          | 2.1        | 5          |
| EB432S   | TO-263        | Single-N              | 40        | 20       | 60          | 62.5         | 9          |  | 11        |      |  | 1.7         | 1600         | 280        | 150        | 32           | 15          | 3.5        | 7.3        |
| EB416D   | TO-263        | Compleme<br>ntary N&P | 40<br>-40 | 20<br>20 | 18<br>-16   | 15.6<br>15.6 | 28<br>36   |  | 43<br>31  |      |  | 1.9<br>-2   | 700<br>1050  | 78<br>125  | 60<br>101  | 11.5<br>22.5 | 5.7<br>11.1 | 1.3<br>2   | 3.2<br>6.2 |
| EB31L01  | TO-263        | Single-N              | 100       | 20       | 26          | 75           | 60         |  |           |      |  | 2           | 1460         | 88         | 75         | 26           | 13          | 2.6        | 9.3        |
| EA6968   | PDIP-8        | Dual-N                | 60        | 20       | 5.3         | 3            | 60         |  | 70        |      |  | 1.7         | 685          | 85         | 50         | 12.7         | 6.9         | 1.8        | 3.6        |
| EA6620   | PDIP-8        | Dual-N                | 40        | 20       | 7           | 3            | 25         |  | 42        |      |  | 2           | 710          | 110        | 68         | 13.3         | 6.7         | 2          | 3.7        |
| EA6611   | PDIP-8        | Compleme<br>ntary N&P | 30<br>-30 | 20<br>20 | 7.6<br>-6.6 | 3<br>3       | 23<br>35   |  | 30<br>55  |      |  | 1.7<br>-1.9 | 620<br>850   | 190<br>205 | 115<br>105 | 13<br>15     | 6.8<br>7.5  | 1.5<br>1.7 | 3.5<br>4.5 |
| EA6610   | PDIP-8        | Dual-N                | 30        | 20       | 7.6         | 3            | 23         |  | 35        |      |  | 1.8         | 620          | 190        | 115        | 13           | 6.8         | 1.5        | 3.5        |
| EA4470   | PDIP-8        | Single-N              | 40        | 20       | 11          | 2.5          | 12         |  | 16        |      |  | 2           | 1720         | 230        | 145        | 25           | 12          | 2.5        | 5.5        |
| EP8076   | PDFN          | Single-N              | 33        | 20       | 27          | 1.67         | 4.6        |  | 6.9       |      |  | 1.7         | 2000         | 600        | 550        | 46           |             | 9.5        | 13         |
| EP8009   | PDFN          | Single-N              | 30        | 20       | 24          | 1.67         | 7.2        |  | 11 (6V)   |      |  | 1.5         | 1670         | 382        | 333        | 31           |             | 2.5        | 10         |
| EU05N05  | TO-252(D-PAK) | Single-N              | 500       | 30       | 5           | 75           | 1.7(ohm)   |  |           |      |  | 3.2         | 725          | 75         | 10         | 11.2         |             | 2.6        | 4          |
| EU05N04  | TO-252(D-PAK) | Single-N              | 400       | 30       | 4           | 68           | 2.6        |  |           |      |  | 3           | 320          | 44         | 7.9        | 5.7          |             | 1.4        | 2.3        |
| EU03N25  | TO-252(D-PAK) | Single-N              | 250       | 30       | 3           | 60           | 3.2(Ohm)   |  |           |      |  | 3           | 245          | 38         | 7.5        | 4.9          |             | 1.4        | 1.8        |
| EU03N04A | TO-252(D-PAK) | Single-N              | 400       | 30       | 3           | 42           | 3.2        |  |           |      |  | 3           | 245          | 38         | 7.5        | 4.9          |             | 1.4        | 1.8        |
| EU03N04  | TO 252        | Single-N              | 400       | 30       | 2           | 42           | 3.8        |  |           |      |  | 3           | 185          | 31         | 6.1        | 4.4          |             | 1.28       | 1.48       |





| Part_No  | Configuration | Package  | Vds(V) | Vgs(V) | Vth(V)  | Id(A) |       | Rds(on)/Typ(mΩ) |          |          |          | Qg/Typ(nC) | Status          | Application                     | Cross Reference |
|----------|---------------|----------|--------|--------|---------|-------|-------|-----------------|----------|----------|----------|------------|-----------------|---------------------------------|-----------------|
|          |               |          |        |        |         | 25°C  | 100°C | Vgs=10v         | Vgs=4.5v | Vgs=1.8v | Vgs=1.5v |            |                 |                                 |                 |
| EL1HL13K | Single-P+ESD  | TO-251   | -100   | ±20    | -1.2    | -13   | -9    | 160             | 180      |          |          | 28         | Engineering     | DC-DC Converters                |                 |
| EL1HL13L | Single-P+ESD  | TO-252   | -100   | ±20    | -1.2    | -13   | -9    | 160             | 180      |          |          | 28         | Full Production | DC-DC Converters                |                 |
| EL1HP40Q | Single-P      | TO-247   | -100   | ±25    | -2      | -45   | -36   | 25              |          |          |          | 146        | Full Production | Inverter                        |                 |
| EL1HP25S | Single-P      | TO-263   | -100   | ±20    | -2      | -25   | -19   | 40              |          |          |          | 30         | Engineering     | Inverters                       |                 |
| EL1HL13R | Single-P+ESD  | TO-220   | -100   | ±20    | -1.2    | -13   | -9    | 160             | 180      |          |          | 28         | Engineering     | DC-DC Converters                |                 |
| EL1HL8L  | Single-P+ESD  | TO-252   | -100   | ±16    | -1.5    | -10   | -8    | 120             | 180      |          |          | 26         | Engineering     | DC-DC Converters                |                 |
| EL1HP40R | Single-P      | TO-220   | -100   | ±25    | -2      | -45   | -36   | 25              |          |          |          | 146        | Full Production | Inverter                        |                 |
| EL55L18L | Single-P+ESD  | TO-252   | -60    | ±20    | -2      | 16    | 11    | 100             | 125      |          |          | 32         | Engineering     | Load Switch,Power Management    |                 |
| EL55L18R | Single-P+ESD  | TO-220   | -60    | ±20    | -2      | 16    | 11    | 100             | 125      |          |          | 32         | Engineering     | Load Switch,Power Management    |                 |
| EL40L10H | Single-P+ESD  | SOP-8    | -40    | ±20    | -1.5    | -10   | -8    | 19              | 30       |          |          | 40         | Full Production | DC-DC Converter                 |                 |
| EL40P4H  | Single-P      | SOP-8    | -40    | ±20    | -1.5    | -4    | -4    | 60              | 80       |          |          | 14         | Full Production | Load Switches                   |                 |
| EL40L10L | Single-P+ESD  | TO-252   | -40    | ±20    | -1.5    | -32   | -23   | 20              | 30       |          |          | 45         | Engineering     | Inverter,Power Supplies         |                 |
| EL40S4H  | Dual-P        | SOP-8    | -40    | ±20    | -1.5    | -4    | -3    | 65              | 85       |          |          | 14         | Full Production | Power Management                |                 |
| EL30P5D  | Single-P      | SOT-223  | -30    | ±20    | -1.5    | -6    | -4    | 38              | 55       |          |          | 11         | Full Production | Power Management                |                 |
| EL30L30M | Single-P+ESD  | PDFN3333 | -30    | ±20    | -1.5    | -30   | -19   | 12              | 20       |          |          | 42         | Engineering     | Load Switch,Power Managemening  |                 |
| EL30L15H | Single-P+ESD  | SOP-8    | -30    | ±20    | -1.5    | -14   | -11   | 13              | 22       |          |          | 39         | Full Production | Load Switching,PWM Applications |                 |
| EL30S4H  | Dual-P        | SOP-8    | -30    | ±20    | -1.5    | 5     | 4     | 50              | 80       |          |          | 10         | Engineering     | Power Management                |                 |
| EL30P5H  | Single-P      | SOP-8    | -30    | ±20    | -1.5    | -6    | -4    | 38              | 55       |          |          | 11         | Full Production | Power Management                |                 |
| EL30S5H  | Dual-P        | SOP-8    | -30    | ±20    | -1.5    | -5    | -4    | 38              | 56       |          |          | 11         | Full Production | Power Management                |                 |
| EL20P4C  | Single-P      | SOT23-3  | -20    | ±12    | -0.7    | -4    | -3    |                 | 40       | 55       |          | 9          | Full Production | Load Switch,Power Management    |                 |
| EL20P3B  | Single-P      | SOT23    | -20    | ±12    | -0.5    | -3    | -2    |                 | 80       | 110      |          | 7          | Engineering     | Load Switch,Power Management    |                 |
| EL2021H  | Single-N      | SOP-8    | 20     | ±12    | 1-2.5   | 20    | 16    | 4               | 5        |          |          | 53         | Engineering     | DC-DC Converters                |                 |
| EL8205G  | Dual-N        | TSSOP-8  | 20     | ±12    | 0.5-1.5 | 6     | 4     |                 | 23       | 32       |          | 10         | Full Production | Power Management                |                 |
| EL2020H  | Single-N      | SOP-8    | 20     | ±12    | 0.5-1.5 | 20    | 17    | 3.5             | 3.8      | 5.6      |          | 53         | Engineering     | DC-DC Converters                |                 |
| EL20E8H  | Single-N+ESD  | SOP-8    | 20     | ±12    | 0.5-1.5 | 9     | 7     | 12              | 15       | 21       |          | 15         | Full Production | Power Management                |                 |
| EL20T7G  | Dual-N+ESD    | TSSOP-8  | 20     | ±8     | 0.5-1.0 | 7     | 6     |                 | 12       | 18       |          | 13         | Engineering     | PWM Applications                |                 |
| EL2090M  | Single-N      | PDFN 5X6 | 20     | ±12    | 1-2.5   | 99    | 66    | 2.3             | 4        |          |          | 62         | Engineering     | Rectificaion,Switching          |                 |
| EL206G   | Dual-N        | TSSOP-8  | 20     | ±12    | 0.5-1.5 | 6     | 4     |                 | 18       | 24       |          | 10         | Engineering     | Power Management                |                 |
| EL8205C6 | Dual-N        | SOT23-6  | 20     | ±12    | 0.5-1.5 | 6     | 4     |                 | 22       | 30       |          | 10         | Full Production | Power Management                |                 |

|          |              |          |    |     |         |     |     |     |      |    |  |  |     |                 |                                        |  |
|----------|--------------|----------|----|-----|---------|-----|-----|-----|------|----|--|--|-----|-----------------|----------------------------------------|--|
| EL20D10H | Dual-N       | SOP-8    | 20 | ±12 | 0.5-1.5 | 10  | 8   | 13  | 16   |    |  |  | 9   | Full Production | SMPS                                   |  |
| EL2013H  | Single-N     | SOP-8    | 20 | ±12 | 0.5-1.5 | 13  | 10  | 13  | 16   | 22 |  |  | 9   | Full Production | DC-DC Converters                       |  |
| EL205B   | Single-N     | SOT23    | 20 | ±12 | 0.5-1.5 | 5   | 4   |     | 30   | 38 |  |  | 4   | Engineering     | Load Switch,PWM Applications           |  |
| EL20130L | Single-N     | TO-252   | 20 | ±20 | 1月3日    | 130 | 96  | 2.2 | 4.5  |    |  |  | 28  | Engineering     | DC-DC Converters                       |  |
| EL2520H  | Single-N     | SOP-8    | 25 | ±20 | 1.5-2.7 | 13  | 10  | 9   | 14.5 |    |  |  | 19  | Full Production | Notebook Computer                      |  |
| EL2568L  | Single-N     | TO-252   | 25 | ±20 | 1.2-2.5 | 60  | 46  | 4   | 9    |    |  |  | 33  | Full Production | DC-DC Converters                       |  |
| EL2560L  | Single-N     | TO-252   | 25 | ±20 | 1月3日    | 55  | 43  | 8   | 12   |    |  |  | 18  | Full Production | MotherBoard/NoteBook                   |  |
| EL3020H  | Single-N     | SOP-8    | 30 | ±20 | 1.5-2.7 | 12  | 10  | 9.5 | 15   |    |  |  | 19  | Full Production | Notebook Computer                      |  |
| EL304B   | Single-N     | SOT23    | 30 | ±12 | 0.5-1.5 | 4   | 3   |     | 44   | 53 |  |  | 4   | Engineering     | Load/System Switch                     |  |
| EL30100R | Single-N     | TO-220   | 30 | ±20 | 1月3日    | 110 | 80  | 4   | 5.5  |    |  |  | 28  | Engineering     | DC-DC Converters,UPS                   |  |
| EL3070M  | Single-N     | PDFN 5X6 | 30 | ±20 | 1-2.5   | 70  | 52  | 3.8 | 5    |    |  |  | 60  | Engineering     | Battery Switch,DC-DC Converters        |  |
| EL3568L  | Single-N     | TO-252   | 30 | ±20 | 1.5-2.7 | 60  | 48  | 6   | 10   |    |  |  | 22  | Full Production | DC-DC Converters,UPS                   |  |
| EL30120M | Single-N     | PDFN 5X6 | 30 | ±20 | 1月3日    | 120 | 97  | 2   | 2.9  |    |  |  | 65  | Engineering     | Power Switching                        |  |
| EL30E30L | Single-N+ESD | TO-252   | 30 | ±16 | 1-2.5   | 30  | 22  | 16  | 26   |    |  |  | 14  | Engineering     | DC-DC Converters,Motor Driving         |  |
| EL30120L | Single-N     | TO-252   | 30 | ±20 | 1月3日    | 120 | 92  | 2.5 | 3.3  |    |  |  | 65  | Full Production | DC-DC Converters                       |  |
| EL30E7H  | Single-N+ESD | SOP-8    | 30 | ±20 | 1-2.5   | 8   | 6   | 16  | 25   |    |  |  | 15  | Full Production | Converters                             |  |
| EL30300R | Single-N     | TO-220   | 30 | ±20 | 2月4日    | 300 | 210 | 1.7 |      |    |  |  | 160 | Full Production | DC-DC Converters,UPS                   |  |
| EL30160R | Single-N     | TO-220   | 30 | ±20 | 2月4日    | 160 | 120 | 2.3 |      |    |  |  | 96  | Full Production | DC-DC Converters                       |  |
| EL3568R  | Single-N     | TO-220   | 30 | ±20 | 1.5-2.7 | 68  | 50  | 6   | 10   |    |  |  | 22  | Full Production | DC-DC Converters                       |  |
| EL30100L | Single-N     | TO-252   | 30 | ±20 | 1月3日    | 100 | 86  | 2.2 | 4    |    |  |  | 28  | Engineering     | DC-DC Converters                       |  |
| EL3040M  | Single-N     | PDFN 5X6 | 30 | ±20 | 1-2.5   | 40  | 23  | 12  | 17.5 |    |  |  | 12  | Engineering     | Battery Switch,DC-DC Converters        |  |
| EL30120R | Single-N     | TO-220   | 30 | ±20 | 1月3日    | 120 | 100 | 2.5 | 3.3  |    |  |  | 65  | Full Production | DC-DC Converters,UPS                   |  |
| EL30D8H  | Dual-N       | SOP-8    | 30 | ±20 | 1月3日    | 7   | 6   | 18  | 45   |    |  |  | 15  | Full Production | SMPS                                   |  |
| EL3010H  | Single-N     | SOP-8    | 30 | ±20 | 1月3日    | 8   | 6   | 18  | 40   |    |  |  | 9   | Full Production | SMPS                                   |  |
| EL30D10H | Dual-N       | SOP-8    | 30 | ±20 | 1.5-2.7 | 10  | 7   | 16  | 24   |    |  |  | 15  | Full Production | SMPS                                   |  |
| EL30230R | Single-N     | TO-220   | 30 | ±20 | 1月3日    | 230 | 160 | 2   | 2.5  |    |  |  | 130 | Full Production | DC-DC Converters,UPS                   |  |
| EL3013H  | Single-N     | SOP-8    | 30 | ±20 | 1.5-2.7 | 11  | 8   | 16  | 24   |    |  |  | 14  | Full Production | SMPS                                   |  |
| EL30290R | Single-N     | TO-220   | 30 | ±20 | 2月4日    | 290 | 194 | 1.8 |      |    |  |  | 95  | Engineering     | DC-DC Converters,Switching Application |  |
| EL3080M  | Single-N     | PDFN 5X6 | 30 | ±20 | 1-2.5   | 80  | 64  | 2.3 | 3    |    |  |  | 68  | Engineering     | Switching Application,DC/DC Conversion |  |
| EL30105L | Single-N     | TO-252   | 30 | ±20 | 2月4日    | 110 | 81  | 3.2 |      |    |  |  | 30  | Engineering     | DC-DC Converters                       |  |
| EL3081R  | Single-N     | TO-220   | 30 | ±20 | 1月3日    | 100 | 87  | 3   | 4.3  |    |  |  | 58  | Engineering     | DC-DC Converters                       |  |
| EL3080L  | Single-N     | TO-252   | 30 | ±20 | 2月4日    | 90  | 80  | 2.6 |      |    |  |  | 58  | Full Production | DC-DC Converters                       |  |
| EL30105R | Single-N     | TO-220   | 30 | ±20 | 2月4日    | 125 | 88  | 3.2 |      |    |  |  | 28  | Engineering     | DC-DC Converters                       |  |

|          |              |          |    |     |         |     |     |     |     |  |  |  |     |                 |                                        |                     |
|----------|--------------|----------|----|-----|---------|-----|-----|-----|-----|--|--|--|-----|-----------------|----------------------------------------|---------------------|
| EL3090M  | Single-N     | PDFN 5X6 | 30 | ±20 | 1月3日    | 98  | 68  | 1.7 | 3.2 |  |  |  | 58  | Engineering     | Switching Application,DC/DC Conversion |                     |
| EL30231R | Single-N     | TO-220   | 30 | ±20 | 2月4日    | 230 | 164 | 2.3 |     |  |  |  | 105 | Engineering     | DC-DC Converters and Off-line UPS      |                     |
| EL3081L  | Single-N     | TO-252   | 30 | ±20 | 1月3日    | 90  | 80  | 2.6 | 4.3 |  |  |  | 58  | Engineering     | DC-DC Converters                       |                     |
| EL30291R | Single-N     | TO-220   | 30 | ±20 | 1月3日    | 290 | 194 | 1.8 | 2.6 |  |  |  | 90  | Engineering     | DC-DC Converters,Switching Application |                     |
| EL30E40L | Single-N+ESD | TO-252   | 30 | ±16 | 1-2-5   | 60  | 43  | 5   | 10  |  |  |  | 24  | Engineering     | Power Management                       |                     |
| EL3089L  | Single-N     | TO-252   | 30 | ±20 | 1月3日    | 89  | 69  | 3.8 | 5   |  |  |  | 42  | Engineering     | Switching Application Systems          |                     |
| EL3065L  | Single-N     | TO-252   | 30 | ±20 | 1-1-5   | 65  | 50  | 4   | 6   |  |  |  | 30  | Engineering     | Switching Application Systems          |                     |
| EL30140R | Single-N     | TO-220   | 30 | ±20 | 2月4日    | 140 | 105 | 3   |     |  |  |  | 80  | Engineering     | Switching Application Systems          |                     |
| EL3020L  | Single-N     | TO-252   | 30 | ±20 | 1月3日    | 20  | 15  | 15  | 25  |  |  |  | 20  | Engineering     | DC-DC Converters                       |                     |
| EL3050L  | Single-N     | TO-252   | 30 | ±20 | 1月3日    | 55  | 37  | 7   | 12  |  |  |  | 40  | Engineering     | DC-DC Converters                       |                     |
| EL30106L | Single-N     | TO-252   | 30 | ±20 | 1月3日    | 130 | 94  | 2.5 | 5   |  |  |  | 30  | Engineering     | DC-DC Converters                       |                     |
| EL40150R | Single-N     | TO-220   | 40 | ±20 | 2月4日    | 150 | 108 | 2.9 |     |  |  |  | 95  | Full Production | DC-DC Converters,UPS                   |                     |
| EL3520H  | Single-N     | SOP-8    | 40 | ±20 | 1.5-2.7 | 9   | 7   | 14  | 21  |  |  |  | 18  | Full Production | Converter                              |                     |
| EL35122S | Single-N     | TO-263   | 40 | ±20 | 2月4日    | 120 | 100 | 2.7 |     |  |  |  | 95  | Full Production | SMPS,UPS                               |                     |
| EL40230S | Single-N     | TO-263   | 40 | ±20 | 2月4日    | 230 | 164 | 2.3 |     |  |  |  | 95  | Engineering     | DC-DC Converters,Switching Application |                     |
| EL40231R | Single-N     | TO-220   | 40 | ±20 | 1月3日    | 230 | 164 | 2.3 | 3.5 |  |  |  | 90  | Engineering     | DC-DC Converters,Switching Application |                     |
| EL40E32L | Single-N+ESD | TO-252   | 40 | ±16 | 1-2-5   | 45  | 32  | 9   | 15  |  |  |  | 22  | Engineering     | Power Management                       |                     |
| EL40220R | Single-N     | TO-220   | 40 | ±20 | 2月4日    | 220 | 170 | 2.3 |     |  |  |  | 154 | Full Production | Battery,Inverter/UPS,Power control     | IRF1404<br>AOT1404L |
| EL40E25L | Single-N+ESD | TO-252   | 40 | ±20 | 1.5-2.7 | 25  | 19  | 26  | 38  |  |  |  | 18  | Full Production | Power Management                       |                     |
| EL40120R | Single-N     | TO-220   | 40 | ±20 | 2月4日    | 120 | 103 | 3.5 |     |  |  |  | 90  | Full Production | DC-DC Converters                       |                     |
| EL40190R | Single-N     | TO-220   | 40 | ±20 | 2月4日    | 190 | 146 | 2.5 |     |  |  |  | 120 | Engineering     | DC-DC Converters,Switching Application |                     |
| EL40280R | Single-N     | TO-220   | 40 | ±20 | 2月4日    | 280 | 210 | 1.8 |     |  |  |  | 156 | Full Production | DC-DC Converters,UPS                   |                     |
| EL4099R  | Single-N     | TO-220   | 40 | ±25 | 2月4日    | 200 | 140 | 2.8 |     |  |  |  | 154 | Full Production | Battery,Inverter/UPS,Power control     | IRF1404             |
| EL4095L  | Single-N     | TO-252   | 40 | ±20 | 2月4日    | 99  | 75  | 3.9 |     |  |  |  | 55  | Engineering     | Motor Drivers,DC/DC Converters         |                     |
| EL40130R | Single-N     | TO-220   | 40 | ±20 | 2月4日    | 135 | 99  | 3.2 |     |  |  |  | 82  | Engineering     | Switching Application Systems          |                     |
| EL4068L  | Single-N     | TO-252   | 40 | ±20 | 1.5-2.7 | 55  | 38  | 10  | 15  |  |  |  | 30  | Full Production | Inverter,Power Supplies                |                     |

|          |              |          |    |     |         |     |     |     |    |  |  |  |     |                 |                                    |          |
|----------|--------------|----------|----|-----|---------|-----|-----|-----|----|--|--|--|-----|-----------------|------------------------------------|----------|
| EL40150S | Single-N     | TO-263   | 40 | ±20 | 2月4日    | 150 | 108 | 3   |    |  |  |  | 95  | Engineering     | DC-DC Converters                   |          |
| EL4090L  | Single-N     | TO-252   | 40 | ±20 | 2月4日    | 90  | 73  | 4   |    |  |  |  | 55  | Engineering     | Motor Drivers,Switch Systems       |          |
| EL4099Q  | Single-N     | TO-247   | 40 | ±25 | 2月4日    | 200 | 140 | 2.8 |    |  |  |  | 154 | Full Production | Battery,Inverter/UPS,Power control |          |
| EL4089R  | Single-N     | TO-220   | 40 | ±20 | 1月3日    | 89  | 65  | 5   | 6  |  |  |  | 45  | Engineering     | Switching Applications             |          |
| EL3582R  | Single-N     | TO-220   | 40 | ±20 | 2月4日    | 100 | 73  | 5   |    |  |  |  | 95  | Full Production | Switching Application              |          |
| EL35122R | Single-N     | TO-220   | 40 | ±20 | 2月4日    | 120 | 100 | 2.7 |    |  |  |  | 95  | Full Production | Switching Application              |          |
| EL40230R | Single-N     | TO-220   | 40 | ±20 | 2月4日    | 230 | 164 | 2.3 |    |  |  |  | 95  | Engineering     | DC-DC Converters,UPS               | IRF2804  |
| EL3560L  | Single-N     | TO-252   | 40 | ±20 | 1.5-2.5 | 50  | 40  | 13  | 18 |  |  |  | 18  | Full Production | Inverter                           |          |
| EL3582S  | Single-N     | TO-263   | 40 | ±20 | 2月4日    | 100 | 73  | 5   |    |  |  |  | 95  | Full Production | SMPS,UPS                           |          |
| EL55110R | Single-N     | TO-220   | 55 | ±25 | 2月4日    | 110 | 88  | 5   |    |  |  |  | 73  | Full Production | DC-DC Converters,UPS               | IRF3205  |
| EL55111R | Single-N     | TO-220   | 55 | ±20 | 1-2.5   | 110 | 88  | 5   | 7  |  |  |  | 73  | Engineering     | DC-DC Converters,UPS               | IRFL3205 |
| EL6888M  | Single-N     | PDFN 5X6 | 60 | ±25 | 2月4日    | 62  | 40  | 7   |    |  |  |  | 75  | Full Production | Power Management                   | 1SK4145  |
| EL60200R | Single-N     | TO-220   | 60 | ±25 | 2月4日    | 230 | 180 | 2.5 |    |  |  |  | 158 | Full Production | Battery,Inverter/UPS,Power control |          |
| EL6075R  | Single-N     | TO-220   | 60 | ±25 | 2月4日    | 90  | 66  | 5.5 |    |  |  |  | 53  | Engineering     | Power Supplies                     | IRF1010E |
| EL60190R | Single-N     | TO-220   | 60 | ±25 | 2月4日    | 190 | 142 | 3.7 |    |  |  |  | 140 | Full Production | Motor Control,DC-DC Converters,UPS |          |
| EL6099R  | Single-N     | TO-220   | 60 | ±25 | 2月4日    | 120 | 90  | 6   |    |  |  |  | 72  | Full Production | Battery,Inverter/UPS,Power control | IRF3205  |
| EL6199R  | Single-N     | TO-220   | 60 | ±25 | 2月4日    | 200 | 140 | 2.8 |    |  |  |  | 155 | Full Production | Battery,Inverter/UPS,Power control |          |
| EL60E16R | Single-N+ESD | TO-220   | 60 | ±20 | 1.5-2.7 | 16  | 13  | 60  | 75 |  |  |  | 14  | Full Production | Power Management                   |          |
| EL60101R | Single-N     | TO-220   | 60 | ±25 | 2月4日    | 100 | 73  | 7   |    |  |  |  | 67  | Full Production | Switching Application Systems      |          |
| EL6070L  | Single-N     | TO-252   | 60 | ±25 | 2月4日    | 70  | 67  | 6   |    |  |  |  | 45  | Engineering     | DC-DC Converters,UPS               |          |
| EL60100R | Single-N     | TO-220   | 60 | ±25 | 2月4日    | 130 | 100 | 4   |    |  |  |  | 78  | Full Production | Battery,Inverter/UPS,Power control |          |
| EL60E5H  | Single-N+ESD | SOP-8    | 60 | ±20 | 1.5-2.7 | 5   | 4   | 60  | 70 |  |  |  | 16  | Full Production | Power Management                   |          |
| EL60120R | Single-N     | TO-220   | 60 | ±25 | 2月4日    | 125 | 92  | 5.5 |    |  |  |  | 105 | Full Production | DC-DC Converters,Inverter          | IRF3205  |
| EL60E6H  | Single-N+ESD | SOP-8    | 60 | ±20 | 1.5-2.7 | 6   | 5   | 31  | 37 |  |  |  | 19  | Full Production | Power Management                   |          |
| EL60E6D  | Single-N+ESD | SOT-223  | 60 | ±20 | 1.5-2.7 | 6   | 5   | 32  | 40 |  |  |  | 16  | Full Production | Power Management                   |          |
| EL6055S  | Single-N     | TO-263   | 60 | ±25 | 2月4日    | 60  | 46  | 9   |    |  |  |  | 50  | Full Production | Switching Application              | IRFZ44   |
| EL60E25L | Single-N+ESD | TO-252   | 60 | ±20 | 1.5-2.7 | 25  | 19  | 35  | 42 |  |  |  | 55  | Full Production | Power Management                   |          |
| EL6055R  | Single-N     | TO-220   | 60 | ±25 | 2月4日    | 60  | 46  | 9   |    |  |  |  | 50  | Full Production | SMPS                               | IRFZ44   |
| EL6199Q  | Single-N     | TO-247   | 60 | ±25 | 2月4日    | 200 | 140 | 2.8 |    |  |  |  | 155 | Full Production | Battery,Inverter/UPS,Power control |          |

|          |              |         |    |     |         |     |     |     |     |  |  |  |     |                 |                                               |             |
|----------|--------------|---------|----|-----|---------|-----|-----|-----|-----|--|--|--|-----|-----------------|-----------------------------------------------|-------------|
| EL60E5D  | Single-N+ESD | SOT-223 | 60 | ±20 | 1.5-2.7 | 5   | 4   | 58  | 70  |  |  |  | 16  | Full Production | Power Management,DC/DC Converter              |             |
| EL6050S  | Single-N     | TO-263  | 60 | ±25 | 2月4日    | 50  | 44  | 10  |     |  |  |  | 25  | Full Production | DC-DC Converters,UPS                          | IRFZ44      |
| EL6050R  | Single-N     | TO-220  | 60 | ±25 | 2月4日    | 50  | 44  | 10  |     |  |  |  | 25  | Full Production | DC-DC Converters,UPS                          | IRFZ44      |
| EL6050L  | Single-N     | TO-252  | 60 | ±25 | 2月4日    | 50  | 42  | 10  |     |  |  |  | 25  | Full Production | DC-DC Converters,UPS                          |             |
| EL6055L  | Single-N     | TO-252  | 60 | ±25 | 2月4日    | 60  | 45  | 10  |     |  |  |  | 45  | Full Production | Power Management,DC/DC Converter              |             |
| EL60D5H  | Dual-N       | SOP-8   | 60 | ±20 | 1月3日    | 5   | 4   | 32  | 40  |  |  |  | 18  | Full Production | Load Switch,Power Management                  |             |
| EL602B   | Single-N     | SOT23   | 60 | ±25 | 2月4日    | 2   | 1   | 220 |     |  |  |  | 6   | Engineering     | Battery Switch,DC-DC Converters               |             |
| EL60E16L | Single-N+ESD | TO-252  | 60 | ±20 | 1.5-2.7 | 16  | 12  | 60  | 75  |  |  |  | 14  | Full Production | Power Management                              |             |
| EL60E25R | Single-N+ESD | TO-220  | 60 | ±20 | 2月4日    | 25  | 20  | 35  |     |  |  |  | 55  | Full Production | Power Management                              |             |
| EL6080L  | Single-N     | TO-252  | 60 | ±25 | 2月4日    | 80  | 65  | 7   |     |  |  |  | 55  | Full Production | SMPS,High Speed Power Switching               | NTD5406NT4G |
| EL6581R  | Single-N     | TO-220  | 65 | ±25 | 2月4日    | 81  | 58  | 7   |     |  |  |  | 58  | Engineering     | Switching Application System,UPS              |             |
| EL7088A  | Single-N     | TO-220  | 65 | ±25 | 2月4日    | 88  | 66  | 6   |     |  |  |  | 53  | Engineering     | Load Switch,Power Managemnting                |             |
| EL65110R | Single-N     | TO-220  | 65 | ±25 | 2月4日    | 110 | 80  | 6   |     |  |  |  | 75  | Engineering     | DC-DC Converters                              | STP80NF70   |
| EL6588R  | Single-N     | TO-220  | 65 | ±25 | 2月4日    | 80  | 59  | 8   |     |  |  |  | 60  | Full Production | Switching Application Systems                 |             |
| EL6581L  | Single-N     | TO-252  | 65 | ±25 | 2月4日    | 81  | 52  | 7   |     |  |  |  | 58  | Engineering     | Switching Applications                        |             |
| EL65120R | Single-N     | TO-220  | 65 | ±25 | 2月4日    | 120 | 85  | 4.5 |     |  |  |  | 65  | Engineering     | DC-DC Converters,UPS                          |             |
| EL6881R  | Single-N     | TO-220  | 68 | ±25 | 2月4日    | 86  | 61  | 6.5 |     |  |  |  | 58  | Full Production | Switching Application System,Inverter Systems |             |
| EL6888S  | Single-N     | TO-263  | 68 | ±25 | 2月4日    | 88  | 65  | 6   |     |  |  |  | 65  | Full Production | Switching Application Systems                 |             |
| EL7085R  | Single-N     | TO-220  | 70 | ±25 | 2月4日    | 85  | 63  | 6   |     |  |  |  | 65  | Engineering     | Power Supply                                  |             |
| EL70200R | Single-N     | TO-220  | 70 | ±25 | 2月4日    | 200 | 145 | 2.8 |     |  |  |  | 158 | Full Production | Battery,Inverter/UPS,Power control            |             |
| EL70100R | Single-N     | TO-220  | 70 | ±25 | 2月4日    | 100 | 90  | 4.5 |     |  |  |  | 78  | Full Production | Battery,Inverter/UPS,Power control            |             |
| EL70190R | Single-N     | TO-220  | 70 | ±25 | 2月4日    | 190 | 134 | 4.2 |     |  |  |  | 145 | Full Production | Battery,Inverter/UPS,Power control            |             |
| EL70E4D  | Single-N+ESD | SOT-223 | 70 | ±20 | 1-2.5   | 4   | 3   | 80  | 90  |  |  |  | 16  | Full Production | Power Management                              |             |
| EL70E4H  | Single-N+ESD | SOP-8   | 70 | ±20 | 1.5-2.7 | 4   | 3   | 80  | 90  |  |  |  | 16  | Full Production | Power Management                              |             |
| EL70E15L | Single-N+ESD | TO-252  | 70 | ±20 | 1.5-2.7 | 15  | 10  | 90  | 100 |  |  |  | 14  | Full Production | Power Management                              |             |

|           |              |         |     |     |         |     |     |     |      |  |  |  |     |                 |                                    |                                 |
|-----------|--------------|---------|-----|-----|---------|-----|-----|-----|------|--|--|--|-----|-----------------|------------------------------------|---------------------------------|
| EL7581R   | Single-N     | TO-220  | 75  | ±25 | 2月4日    | 81  | 64  | 7.5 |      |  |  |  | 58  | Full Production | Switch Application Systems,UPS     | IRF3607                         |
| EL7550R   | Single-N     | TO-220  | 75  | ±25 | 2月4日    | 55  | 46  | 11  |      |  |  |  | 35  | Full Production | DC-DC Converters,UPS               |                                 |
| EL7582R   | Single-N     | TO-220  | 75  | ±25 | 2月4日    | 82  | 63  | 7.5 |      |  |  |  | 85  | Full Production | Switch Application Systems,UPS     | STP75NF75<br>IRF2807            |
| EL75N08S  | Single-N     | TO-263  | 75  | ±25 | 2月4日    | 80  | 76  | 8   |      |  |  |  | 75  | Full Production | Battery,E-bike                     |                                 |
| EL7582S   | Single-N     | TO-263  | 75  | ±25 | 2月4日    | 82  | 63  | 7.5 |      |  |  |  | 85  | Engineering     | Switching Application,UPS          |                                 |
| EL75110R  | Single-N     | TO-220  | 75  | ±25 | 2月4日    | 110 | 82  | 5.5 |      |  |  |  | 45  | Engineering     | DC-DC Converters,UPS               |                                 |
| EL75150R  | Single-N     | TO-220  | 75  | ±25 | 2月4日    | 148 | 110 | 5.5 |      |  |  |  | 138 | Engineering     | Switch Application Systems,UPS     | IRF3808<br>IRF1407<br>STP140N75 |
| EL7580R   | Single-N     | TO-220  | 75  | ±25 | 2月4日    | 80  | 58  | 8   |      |  |  |  | 67  | Engineering     | Motor Control                      |                                 |
| EL7550S   | Single-N     | TO-263  | 75  | ±25 | 2月4日    | 55  | 46  | 11  |      |  |  |  | 35  | Full Production | DC-DC Converters,UPS               |                                 |
| EL7590R   | Single-N     | TO-220  | 75  | ±25 | 2月4日    | 90  | 64  | 10  |      |  |  |  | 60  | Engineering     | Load Switch,Power Management       |                                 |
| EL7570L   | Single-N     | TO-252  | 75  | ±25 | 2月4日    | 70  | 51  | 9   |      |  |  |  | 68  | Engineering     | Power Switching                    |                                 |
| EL80100R  | Single-N     | TO-220  | 80  | ±25 | 2月4日    | 100 | 90  | 5.5 |      |  |  |  | 78  | Full Production | Switching Application,Inverter     |                                 |
| EL190N08R | Single-N     | TO-220  | 80  | ±25 | 2月4日    | 190 | 140 | 3.9 |      |  |  |  | 155 | Full Production | Battery,Inverter/UPS,Power control | IRFB3207                        |
| EL80190R  | Single-N     | TO-220  | 80  | ±25 | 2月4日    | 190 | 140 | 3.1 |      |  |  |  | 158 | Full Production | Switching Application,Inverter     |                                 |
| EL8080R   | Single-N     | TO-220  | 80  | ±25 | 2月4日    | 80  | 59  | 9   |      |  |  |  | 58  | Full Production | DC-DC Converters                   |                                 |
| EL190N08Q | Single-N     | TO-247  | 80  | ±25 | 2月4日    | 190 | 140 | 3.9 |      |  |  |  | 155 | Full Production | Battery,Inverter/UPS,Power control |                                 |
| EL8080S   | Single-N     | TO-263  | 80  | ±25 | 2月4日    | 80  | 59  | 9   |      |  |  |  | 58  | Full Production | DC-DC Converters                   |                                 |
| EL8099R   | Single-N     | TO-220  | 90  | ±25 | 2月4日    | 90  | 65  | 8   |      |  |  |  | 120 | Full Production | UPS                                |                                 |
| EL1H60R   | Single-N     | TO-220  | 100 | ±20 | 1月3日    | 60  | 39  | 17  | 18.5 |  |  |  | 52  | Engineering     | Switching Application              |                                 |
| EL1H35R   | Single-N     | TO-220  | 100 | ±25 | 2月4日    | 40  | 27  | 21  |      |  |  |  | 44  | Full Production | Switching Application              |                                 |
| EL1H100R  | Single-N     | TO-220  | 100 | ±25 | 2月4日    | 75  | 59  | 11  |      |  |  |  | 85  | Full Production | UPS,High Speed Power Switching     |                                 |
| EL3710R   | Single-N     | TO-220  | 100 | ±25 | 2月4日    | 60  | 55  | 14  |      |  |  |  | 85  | Full Production | Switching Application Systems      | IRF3710<br>STP60NF10            |
| EL1HE16L  | Single-N+ESD | TO-252  | 100 | ±20 | 1.5-2.7 | 16  | 11  | 70  | 85   |  |  |  | 18  | Full Production | Power Management                   |                                 |
| EL1HE3D   | Single-N+ESD | SOT-223 | 100 | ±20 | 1.5-2.7 | 3   | 2   | 130 | 140  |  |  |  | 20  | Full Production | Power Management                   |                                 |
| EL1H35S   | Single-N     | TO-263  | 100 | ±25 | 2月4日    | 40  | 27  | 21  |      |  |  |  | 44  | Full Production | Switching Application              |                                 |
| EL1H7H    | Single-N     | SOP-8   | 100 | ±20 | 2月4日    | 6   | 5   | 40  |      |  |  |  | 44  | Engineering     | SMPS                               |                                 |
| EL1H130R  | Single-N     | TO-220  | 100 | ±25 | 2月4日    | 110 | 79  | 10  |      |  |  |  | 130 | Full Production | High Speed Power Switching         |                                 |

|           |                   |          |     |     |         |     |     |     |     |  |  |  |  |  |     |                 |                                        |         |
|-----------|-------------------|----------|-----|-----|---------|-----|-----|-----|-----|--|--|--|--|--|-----|-----------------|----------------------------------------|---------|
| EL1H36R   | Single-N          | TO-220   | 100 | ±20 | 2月4日    | 32  | 23  | 34  |     |  |  |  |  |  | 28  | Engineering     | Synchronous Rectifier,DC-DC Converters | IRF540N |
| EL1H36S   | Single-N          | TO-263   | 100 | ±20 | 2月4日    | 32  | 23  | 34  |     |  |  |  |  |  | 28  | Engineering     | Synchronous Rectifier,DC-DC Converters |         |
| ELS1H21R  | SBD               | TO-220AB | 100 | ±   |         | 20  |     | 780 |     |  |  |  |  |  |     | Engineering     | Rectifiers in SMPS                     |         |
| EL1H190R  | Single-N          | TO-220   | 100 | ±25 | 2月4日    | 190 | 120 | 5   |     |  |  |  |  |  | 158 | Full Production | Switching Application                  |         |
| EL1H80R   | Single-N          | TO-220   | 100 | ±25 | 2月4日    | 80  | 68  | 9   |     |  |  |  |  |  | 78  | Full Production | Switching Application                  |         |
| ELS1H20R  | SBD               | TO-220AB | 100 | ±   |         | 20  |     | 750 |     |  |  |  |  |  |     | Engineering     | Rectifiers in SMPS                     |         |
| EL190N10R | Single-N          | TO-220   | 100 | ±25 | 2月4日    | 190 | 140 | 6.5 |     |  |  |  |  |  | 155 | Full Production | Battery,Inverter/UPS,Power control     |         |
| EL140N10R | Single-N          | TO-220   | 100 | ±25 | 2月4日    | 140 | 100 | 6.5 |     |  |  |  |  |  | 135 | Full Production | Switching applications                 |         |
| EL190N10S | Single-N          | TO-263   | 100 | ±25 | 2月4日    | 190 | 140 | 6.5 |     |  |  |  |  |  | 155 | Full Production | SMPS                                   |         |
| EL1088R   | Single-N          | TO-220   | 100 | ±25 | 2月4日    | 80  | 75  | 10  |     |  |  |  |  |  | 85  | Full Production | Battery,E-bike                         |         |
| EL1HE4D   | Single-N+ESD      | SOT-223  | 100 | ±20 | 1.5-2.7 | 4   | 3   | 72  | 80  |  |  |  |  |  | 18  | Full Production | DC-DC Converters,Motor Driving         |         |
| EL190N10Q | Single-N          | TO-247   | 100 | ±25 | 2月4日    | 190 | 140 | 6.5 |     |  |  |  |  |  | 155 | Full Production | Battery,Inverter/UPS,Power control     |         |
| EL1HE12L  | Single-N+ESD      | TO-252   | 100 | ±20 | 1.5-2.7 | 12  | 8   | 145 | 160 |  |  |  |  |  | 12  | Full Production | Converters                             |         |
| EL1HE3H   | Single-N+ESD      | SOP-8    | 100 | ±20 | 1.5-2.7 | 3   | 2   | 135 | 150 |  |  |  |  |  | 18  | Full Production | Converters                             |         |
| EL3710S   | Single-N          | TO-263   | 100 | ±25 | 2月4日    | 60  | 55  | 14  |     |  |  |  |  |  | 85  | Full Production | Switching Application Systems          |         |
| EL1H40L   | Single-N          | TO-252   | 100 | ±25 | 1.5-3   | 40  | 30  | 22  | 28  |  |  |  |  |  | 40  | Full Production | Switching Application Systems          |         |
| EL1HC2H   | Complementary N+P | SOP-8    | 100 | ±20 | 1.5-2.7 | 4   | 3   | 75  | 80  |  |  |  |  |  | 18  | Full Production | Power Management                       |         |
| EL1HE4H   | Single-N+ESD      | SOP-8    | 100 | ±20 | 1.5-2.7 | 4   | 3   | 72  | 80  |  |  |  |  |  | 19  | Full Production | Power Management                       |         |
| EL1H190S  | Single-N          | TO-263   | 100 | ±25 | 2月4日    | 190 | 120 | 5   |     |  |  |  |  |  | 158 | Full Production | Switching Application Systems          |         |
| EL1H35L   | Single-N          | TO-252   | 100 | ±25 | 2月4日    | 40  | 30  | 21  |     |  |  |  |  |  | 44  | Full Production | UPS,High Speed Power Switching         |         |
| EL1H35Q   | Single-N          | TO-247   | 100 | ±25 |         | 40  | 27  | 21  |     |  |  |  |  |  | 44  | Full Production | Switching Application Systems          |         |
| EL120N15R | Single-N          | TO-220   | 150 | ±25 | 2月4日    | 120 | 100 | 15  |     |  |  |  |  |  | 155 | Full Production | Inverter/UPS,Power control             |         |
| EL80N15Q  | Single-N          | TO-247   | 150 | ±25 | 2月4日    | 80  | 60  | 31  |     |  |  |  |  |  | 90  | Full Production | Battery,Inverter/UPS,Power control     |         |
| EL80N15R  | Single-N          | TO-220   | 150 | ±25 | 2月4日    | 80  | 60  | 31  |     |  |  |  |  |  | 90  | Full Production | Battery,Inverter/UPS,Power control     |         |
| EL120N15Q | Single-N          | TO-247   | 150 | ±25 | 2月4日    | 120 | 100 | 15  |     |  |  |  |  |  | 155 | Full Production | Battery,Inverter/UPS,Power control     |         |



[illegible]



| Part Number | Package | Configuration | BV (V) | VGS (V)  | Vt (V) | RDS(ON) Max (Typ)(mΩ) |          |          | Qg (Vg=4.5V)<br>Typ-nC | ID (A) | Application     | Status |
|-------------|---------|---------------|--------|----------|--------|-----------------------|----------|----------|------------------------|--------|-----------------|--------|
|             |         |               |        |          |        | Vg_10v                | Vg_4.5v  | Vg_2.5v  |                        |        |                 |        |
| M2016NU     | TO-252  | Single-N      | 20     | ±16      | 0.9    | -                     | 14(12)   | 30(22)   | 12                     | 40     | MB<br>Portable  | Now    |
| M2023NU     | TO-252  | Single-N      | 20     | ±12      | 0.7    | 20(17)                | 23(20)   | 40(30)   | 15                     | 30     | MB<br>Portable  | Now    |
| M2030NU     | TO-252  | Single-N      | 20     | ±12      | 0.7    | -                     | 32(28)   | 45(38)   | 12.5                   | 25     | MB<br>VGA       | Now    |
| M2040NU     | TO-252  | Single-N      | 20     | ±16      | 1      | 35(28)                | 45(35)   | 85(55)   | 6                      | 10     | MB<br>VGA       | Now    |
| M2050NU     | TO-252  | Single-N      | 20     | ±12(ESD) | 1      | 32(25)                | 45(30)   | 80(50)   | 4.8                    | 18     | MB<br>VGA       | Now    |
| M2055NU     | TO-252  | Single-N      | 20     | ±16      | 0.9    | 70(55)                | 90(75)   | 160(140) | 5.4                    | 10     | MB              | Now    |
| M2556NU     | TO-252  | Single-N      | 25     | ±20      | 1.8    | 5.7(4.5)              | 10(7.5)  | -        | 25                     | 60     | MB<br>VGA       | Now    |
| M2510NU     | TO-252  | Single-N      | 25     | ±20      | 1.8    | 10(8.5)               | 20(15)   | -        | 24(10v)                | 50     | MB<br>VGA       | Now    |
| M2513NU     | TO-252  | Single-N      | 25     | ±20      | 1.8    | 13(10.5)              | 23(16)   | -        | 20(10v)                | 40     | MB              | Now    |
| M2522NU     | TO-252  | Single-N      | 25     | ±20      | 1.5    | 20(14.5)              | 28(21.5) | -        | 17(10v)                | 30     | MB              | Now    |
| M3004NU     | TO-252  | Single-N      | 30     | ±20      | 1.8    | 4(3.3)                | 5.9(4.5) | -        | 108(10v)               | 75     | MB<br>VGA       | Now    |
| M3006NU     | TO-252  | Single-N      | 30     | ±20      | 1.8    | 6(4.8)                | 9(7)     | -        | 55.5(10v)              | 50     | MB<br>VGA       | Now    |
| M3009NU     | TO-252  | Single-N      | 30     | ±20      | 1.8    | 9(7.5)                | 18(11)   | -        | 30(10v)                | 50     | MB<br>VGA       | Now    |
| M3024NU     | TO-252  | Single-N      | 30     | ±20      | 1.5    | 20(15)                | 28(22)   | -        | 20(10v)                | 30     | MB<br>VGA       | Now    |
| M3054NU     | TO-252  | Single-N      | 30     | ±20      | 1.5    | 54(48)                | 90(75)   | -        | 17.6(10v)              | 20     | MB<br>VGA       | Now    |
| M3055LU     | TO-252  | Single-N      | 30     | ±20      | 1.5    | 100(75)               | 200(100) | -        | 6.2(10v)               | 20     | MB<br>VGA       | Now    |
| M3106NU     | TO-252  | Single-N      | 30     | ±20      | 1.8    | 6(4.8)                | 9(7)     | -        | 55.5(10v)              | 50     | MB<br>VGA       | Now    |
| M3109NU     | TO-252  | Single-N      | 30     | ±20      | 1.8    | 9(7.5)                | 18(11)   | -        | 30(10v)                | 50     | MB<br>VGA       | Now    |
| M4008NU     | TO-252  | Single-N      | 40     | ±20      | 2      | 8(6.5)                | 14(10.5) | -        | 51(10v)                | 60     | LCD TV<br>Motor | Now    |

|          |        |          |     |          |      |          |          |          |   |           |       |                      |     |
|----------|--------|----------|-----|----------|------|----------|----------|----------|---|-----------|-------|----------------------|-----|
| M4010NU  | TO-252 | Single-N | 40  | ±20      | 2    | 10(8.2)  | 17(13)   | -        | - | 29(10v)   | 58    | LCD TV<br>Motor      | Now |
| M4012NU  | TO-252 | Single-N | 40  | ±20      | 2    | 10.8(9)  | 16(12)   | -        | - | 31(10v)   | 55    | LCD TV<br>Motor      | Now |
| M4030NU  | TO-252 | Single-N | 40  | ±20      | 2    | 25(17)   | 40(26)   | -        | - | 23.5(10v) | 35    | LCD TV               | Now |
| M4030ANU | TO-252 | Single-N | 40  | ±20(ESD) | 2    | 25(17)   | 40(26)   | -        | - | 21(10v)   | 35    | LCD TV               | Now |
| M4034NU  | TO-252 | Single-N | 40  | ±20      | 2    | 37(29)   | 62(45)   | -        | - | 10(10v)   | 20    | LCD TV               | Now |
| M2095PU  | TO-252 | Single-P | -20 | ±10      | -0.7 | -        | 95(70)   | 125(100) | - | 11        | -8    | MB<br>Portable       | Now |
| M2150PU  | TO-252 | Single-P | -20 | ±12(ESD) | -0.6 | -        | 150(125) | 200(160) | - | 7         | -8    | MB<br>Fan            | Now |
| M3020PU  | TO-252 | Single-P | -30 | ±20      | -1.5 | 20(17)   | 30(24)   | -        | - | 43(10v)   | -30   | MB<br>Portable       | Now |
| M3095PU  | TO-252 | Single-P | -30 | ±25      | -1.5 | 110(95)  | 160(140) | -        | - | 10(10v)   | -8    | MB<br>VGA            | Now |
| M3195PU  | TO-252 | Single-P | -30 | ±20      | -1.5 | 240(100) | 460(170) | -        | - | 8.1(10v)  | -11.8 | MB<br>VGA, etc       | Now |
| M4015PU  | TO-252 | Single-P | -40 | ±20      | -2   | 16(13)   | 25(19)   | -        | - | 40(10v)   | -45   | LCD TV<br>Power Tool | Now |
| M4050U   | TO-252 | Single-P | -40 | ±20(ESD) | -1.8 | 45(33)   | 68(47)   | -        | - | 18(10v)   | -25   | LCD TV               | Now |
| M4053PU  | TO-252 | Single-P | -40 | ±20      | -2   | 50(40)   | 77(55)   | -        | - | 17(10v)   | -25   | LCD TV               | Now |
| W7105A/B |        |          |     |          |      |          |          |          |   |           |       |                      | Now |
| M2506NF  | TO-220 | Single-N | 25  | ±20      | 1.8  | 5.5(4.2) | 8.5(6.5) | -        | - | 37.5      | 60    | SPS<br>MB            | Now |
| M2509NF  | TO-220 | Single-N | 25  | ±20      | 1.8  | 9(7.5)   | 18(13)   | -        | - | 17.5      | 50    | SPS<br>MB            | Now |
| M7512NF  | TO-220 | Single-N | 75  | ±25      | 3.5  | 12(9.1)  | -        | -        | - | 73(10v)   | 80    | Motor                | Now |
| M2A01NF  | TO-220 | Single-N | 200 | ±25      | 3    | 28(23)   |          |          |   | 110(10V)  | 65    | Inverter             | Now |
| W7165    |        |          |     |          |      |          |          |          |   |           |       |                      | Now |
| M3055NG  | TO-263 | Single-N | 30  | ±20      | 1.5  | 100(75)  | 200(100) | -        | - | 7.7(10v)  | 12    | MB<br>VGA            | Now |
| M4008NG  | TO-263 | Single-N | 40  | ±20      | 2    | 8(6.5)   | 14(10.5) | -        | - | 51(10v)   | 60    | MB<br>VGA            | Now |
| M7512NG  | TO-263 | Single-N | 75  | ±25      | 3.5  | 12(9.1)  | -        | -        | - | 69(10v)   | 75    | Motor                | Now |
| M2506NUB | TO-251 | Single-N | 25  | ±20      | 1.5  | 6(4.8)   | 9(7)     | -        | - | 37.5      | 60    | MB<br>VGA            | Now |
| M2509NUB | TO-251 | Single-N | 25  | ±20      | 1.5  | 9(7.5)   | 18(13)   | -        | - | 17.5      | 50    | MB<br>VGA            | Now |

|           |          |                      |        |                       |          |                |                 |          |   |   |        |                        |     |
|-----------|----------|----------------------|--------|-----------------------|----------|----------------|-----------------|----------|---|---|--------|------------------------|-----|
| M2050ND   | SOT-89   | Single-N             | 20     | ±12(ESD)              | 1        | 35(25)         | 50(30)          | 110(70)  | - | 6 | 5      | MB<br>VGA              | Now |
| M3040ND   | SOT-89   | Single-N             | 30     | ±12                   | 0.75     | 40(31)         | 50(35)          | 70(55)   | - |   | 3      | MB<br>Portable         | Now |
| M3054ND   | SOT-89   | Single-N             | 30     | ±20                   | 1.5      | 54(48)         | 90(75)          | -        | - |   | 4      | MB<br>VGA              | Now |
| M2071PD   | SOT-89   | Single-P             | -20    | ±12(ESD)              | -0.75    | -              | 70(50)          | 110 (75) | - | 6 | -4     | MB<br>VGA              | Now |
| M3195PD   | SOT-89   | Single-P             | -30    | ±20                   | -1.5     | 300(230)       | 500(385)        | -        | - |   | -2     | MB<br>VGA, etc         | Now |
| M2054NV   | SOT-223  | Single-N             | 20     | ±16                   | 0.9      | 40(35)         | 54(45)          | 130(110) | - |   | 5      | MB<br>VGA              | Now |
| M3054NV   | SOT-223  | Single-N             | 30     | ±20                   | 1.5      | 54(48)         | 90 (75)         | -        | - |   | 4      | MB<br>Portable         | Now |
| M3048ADU4 | TO-252-4 | Complementary<br>N+P | 30/-30 | ±20(ESD)/±<br>20(ESD) | 1.5/-1.5 | 27(21)/45(36)  | 34(27)/57(46)   | -        | - |   | 9月9日   | LCD Monitor            | Now |
| M4048DU4  | TO-252-4 | Complementary<br>N+P | 40/-40 | ±20±20                | 2.1/-1.9 | 33(25)/48(37)  | 45(35)/68(49)   | -        | - |   | 7.5/-6 | LCD TV                 | Now |
| M4048ADU4 | TO-252-4 | Complementary<br>N+P | 40/-40 | ±20(ESD)/±<br>20(ESD) | 2.1/-1.9 | 33(25)/48(37)  | 45(35)/68(49)   | -        | - |   | 7.5/-6 | LCD TV                 | Now |
| M4052DU4  | TO-252-4 | Complementary<br>N+P | 40/-40 | ±20±20                | 2/-2     | 38(30)/50(40)  | 62(46)/73(52)   | -        | - |   | 7.5/-6 | Fan<br>LCD TV Inverter | Now |
| M6048DU4  | TO-252-4 | Complementary<br>N+P | 60/-60 | ±25±25                | 2/-2     | 55(40)/105(85) | 80(60)/140(105) | -        | - |   | 8/-8   | LCD TV                 | Now |
| M4412K    | SOP-8    | Single-N             | 30     | ±20                   | 1.7      | 12(9)          | 16(12)          | -        | - |   | 12     | NB<br>VGA              | Now |
| M4810K    | SOP-8    | Single-N             | 30     | ±20                   | 1.8      | 15(12)         | 25(18)          | -        | - |   | 11     | NB<br>Portable         | Now |
| M4812K    | SOP-8    | Single-N             | 30     | ±20                   | 1.5      | 22(18)         | 34(26)          | -        | - |   | 8      | NB<br>Portable         | Now |
| M4320K    | SOP-8    | Single-N             | 30     | ±20                   | 1.8      | 9.5(7.5)       | 13.5(10.5)      | -        | - |   | 13     | NB<br>VGA              | Now |
| M4330K    | SOP-8    | Single-N             | 30     | ±20                   | 1.8      | 6.6(5.5)       | 9(7)            | -        | - |   | 15     | NB<br>VGA              | Now |
| M4340K    | SOP-8    | Single-N             | 30     | ±20                   | 1.8      | 4.5(3.8)       | 6.3(5)          | -        | - |   | 17     | NB<br>VGA              | Now |
| M4472K    | SOP-8    | Single-N             | 40     | ±20                   | 2        | 9.5(7.5)       | 14(10.5)        | -        | - |   | 12     | NB<br>VGA              | Now |

|         |       |          |     |          |      |         |          |          |   |           |      |                           |     |
|---------|-------|----------|-----|----------|------|---------|----------|----------|---|-----------|------|---------------------------|-----|
| M4476K  | SOP-8 | Single-N | 40  | ±20(ESD) | 2    | 20(15)  | 32(22)   | -        | - | 10.5      | 7.5  | NB<br>Portable<br>Battery | Now |
| M4474K  | SOP-8 | Single-N | 40  | ±20      | 2    | 11(9)   | 23(18)   | -        | - | 29(10v)   | 11   | LCD TV<br>Monitor         | Now |
| M4461AK | SOP-8 | Single-P | -20 | ±16      | -0.9 | 35(25)  | 50(35)   | 65(55)   | - | 13.1      | -6   | NB<br>LCD Monitor         | Now |
| M4463K  | SOP-8 | Single-P | -20 | ±16      | -0.9 | -       | 17(12)   | 25(18)   | - | 28.3      | -10  | NB<br>LCD Monitor         | Now |
| M4427K  | SOP-8 | Single-P | -30 | ±20      | -1.5 | 115(85) | 180(140) | -        | - | 12.3(10v) | 4    | NB<br>LCD Monitor         | Now |
| M4431K  | SOP-8 | Single-P | -30 | ±20      | -1.5 | 40(32)  | 60(50)   | -        | - | 27.4(10v) | -5.3 | NB Battery Pack           | Now |
| M9435K  | SOP-8 | Single-P | -30 | ±25      | -1.5 | 60(52)  | 95(80)   | -        | - | 10.3(10v) | -4.6 | NB LCD<br>Monitor         | Now |
| M4301K  | SOP-8 | Single-P | -30 | ±25(ESD) | -1.8 | 7.5(6)  | 13(10)   | -        | - | 90(10v)   | -15  | NB Battery Pack           | Now |
| M4303K  | SOP-8 | Single-P | -30 | ±25      | -1.8 | 10(8)   | 16(12)   | -        | - | 56(10v)   | -13  | NB Battery Pack           | Now |
| M7312K  | SOP-8 | Dual-N   | 20  | ±16      | 0.9  | 40(35)  | 54(45)   | 120(110) | - | 12        | 6    | VGA<br>Portable           | Now |
| M7318K  | SOP-8 | Dual-N   | 20  | ±16      | 0.9  | -       | 20(15)   | 40(30)   | - | 14        | 8    | VGA<br>Portable           | Now |
| M9926AK | SOP-8 | Dual-N   | 20  | ±8       | 0.7  | -       | 32(28)   | 45(34)   | - | 8.5       | 6    | Li-ion<br>Battery(4.2v)   | Now |
| M9926K  | SOP-8 | Dual-N   | 20  | ±12      | 0.7  | -       | 32(28)   | 45(38)   | - | 6.8       | 6    | Li-ion<br>Battery(8.4v)   | Now |
| M7314K  | SOP-8 | Dual-N   | 30  | ±20      | 1.5  | 22(18)  | 30(23)   | -        | - | 10.9(10v) | 8    | NB<br>VGA                 | Now |
| M7332K  | SOP-8 | Dual-N   | 30  | ±20(ESD) | 1.5  | 30(24)  | 44(34)   | -        | - | 13.3(10v) | 7    | LCD Monitor<br>VGA        | Now |
| M9946K  | SOP-8 | Dual-N   | 60  | ±25      | 2    | 52(38)  | 75(55)   | -        | - | 19(10v)   | 5    | Fan<br>LCD Inverter       | Now |
| M9948K  | SOP-8 | Dual-N   | 60  | ±16(ESD) | 1.9  | 85(60)  | 100(72)  | -        | - | 14.2(10v) | 4    | LCD TV<br>Fan             | Now |
| M9933K  | SOP-8 | Dual-P   | -20 | ±12      | -0.7 | -       | 70(45)   | 100(60)  | - | 12.7      | -3.4 | NB<br>LCD Monitor         | Now |
| M9935K  | SOP-8 | Dual-P   | -20 | ±12      | -0.7 | -       | 45(30)   | 65(38)   | - | 17        | -6   | NB<br>LCD Monitor         | Now |
| M9953K  | SOP-8 | Dual-P   | -20 | ±10      | -0.7 | -       | 100(76)  | 125(93)  | - | 5.3       | -3   | NB<br>Portable            | Now |

[illegible]

|          |         |                      |        |          |          |                 |               |          |          |                 |        |                    |     |
|----------|---------|----------------------|--------|----------|----------|-----------------|---------------|----------|----------|-----------------|--------|--------------------|-----|
| M4220KA  | SOP-8P  | Single-N             | 25     | ±20      | 1.8      | 9(7.5)          | 12(10)        | -        | -        | 20              | 16     | NB<br>VGA          | Now |
| M4350KP  | KPAK    | Single-N             | 30     | ±20      | 1.8      | 9(7.5)          | 14.5(11.5)    | -        | -        | 28(10v)         | 60     | NB<br>VGA          | Now |
| M4354KP  | KPAK    | Single-N             | 30     | ±20      | 1.8      | 5.5(4.5)        | 8(6)          | -        | -        | 63(10v)         | 70     | NB<br>VGA          | Now |
| M4356KP  | KPAK    | Single-N             | 30     | ±20      | 1.8      | 4(3.3)          | 5.8(4.5)      | -        | -        | 100(10v)        | 80     | NB<br>VGA          | Now |
| M7326J   | DIP-8   | Dual-N               | 30     | ±20      | 1.8      | 18(15)          | 28(22)        | -        | -        | 20(10v)         | 9.5    | LCD Monitor        | Now |
| M7330J   | DIP-8   | Dual-N               | 30     | ±20(ESD) | 1.5      | 24(19)          | 31(23)        | -        | -        | 18.4(10v)       | 8.5    | LCD Monitor        | Now |
| M4550J   | DIP-8   | Complementary<br>N+P | 30/-30 | ±20±20   | 1.5/-1.5 | 27.5(20)/50(40) | 40(30)/80(62) | -        | -        | 14(10v)/12(10v) | 8/-7   | LCD Monitor        | Now |
| M4568J   | DIP-8   | Complementary<br>N+P | 40/-40 | ±20±20   | 2/-1.9   | 29(21)/50(36)   | 44(30)/70(50) | -        | -        | 20(10v)/20(10v) | 7.5/-6 | LCD Monitor        | Now |
| M9946J   | DIP-8   | Dual-N               | 60     | ±20      | 2        | 55(38)          | 77(55)        | -        | -        | 19(10v)         | 6      | LCD Monitor<br>Fan | Now |
| M9948J   | DIP-8   | Dual-N               | 60     | ±16(ESD) | 1.9      | 85(60)          | 100(72)       | -        | -        | 14.2(10v)       | 4      | LCD Monitor<br>Fan | Now |
| M9926AO  | TSSOP-8 | Dual-N               | 20     | ±8       | 0.7      | -               | 32(28)        | 45(34)   | -        | 8.5             | 4.5    | Li-ion Battery     | Now |
| M9988CO  | TSSOP-8 | Dual-N               | 20     | ±12(ESD) | 0.7      | -               | 20(16)        | 25(19)   | -        | 15              | 6      | Li-ion Battery     | Now |
| M9986CO  | TSSOP-8 | Dual-N               | 20     | ±12(ESD) | 0.7      | -               | 20(16)        | 25(19)   | -        | 15              | 6      | Li-ion Battery     | Now |
| M9988QA  | DFN3*3  | Dual-N               | 20     | ±12(ESD) | 0.7      | -               | 17(14)        | 24(19)   | -        | 14.7            | 6      | Li-ion Battery     | Now |
| M9926CCG | JSOT-8  | Dual-N               | 20     | ±8       | 0.7      | -               | 29(25)        | 45(34)   | -        | 8.6             | 5      | Li-ion Battery     | Now |
| M9984CCG | JSOT-8  | Dual-N               | 20     | ±12(ESD) | 0.7      | -               | 20(16)        | 25(19)   | -        | 15              | 6      | Li-ion Battery     | Now |
| M2901CG  | JSOT-8  | Single-P             | -20    | ±12      | -0.7     | -               | 11(9)         | 17(12.5) | 27(18)   | 40              | -10    | NB<br>Portable     | Now |
| M2903CG  | JSOT-8  | Dual-P               | -20    | ±12(ESD) | -0.7     | -               | 35(28)        | 54(40)   | 75(55)   | 15              | -5     | NB<br>Portable     | Now |
| M2322AA  | SOT-23  | Single-N             | 20     | ±12(ESD) | 0.7      | -               | 160(120)      | 250(180) | 450(280) | 1.8             | 1.7    | NB<br>Portable     | Now |
| M2324AA  | SOT-23  | Single-N             | 20     | ±12(ESD) | 0.7      | -               | 65(50)        | 90(65)   | 200(120) | 4.4             | 3      | NB<br>Portable     | Now |
| M2300CA  | SOT-23  | Single-N             | 20     | ±12(ESD) | 0.7      | 30(25)          | 40(32)        | 55(40)   | 110(65)  | 6               | 6      | NB<br>Portable     | Now |



|         |          |          |     |          |       |          |          |          |          |           |      |                    |     |
|---------|----------|----------|-----|----------|-------|----------|----------|----------|----------|-----------|------|--------------------|-----|
| M2306A  | SOT-23   | Single-N | 30  | ±20      | 1.5   | 65(42)   | 90(70)   | -        | -        | 12.5(10v) | 3.5  | NB<br>Portable     | Now |
| M2308A  | SOT-23   | Single-N | 30  | ±20(ESD) | 1.8   | 80(60)   | 120(90)  | -        | -        | 4         | 3    | NB<br>Portable     | Now |
| M2318A  | SOT-23   | Single-N | 30  | ±12      | 0.7   | 50(35)   | 55(40)   | 80(60)   | -        | 12(10v)   | 3    | DSC<br>Portable    | Now |
| M2320A  | SOT-23   | Single-N | 30  | ±8(ESD)  | 0.7   | -        | 85(65)   | 105(80)  | -        | 7.2       | 2.5  | NB<br>Portable     | Now |
| M2360A  | SOT-23   | Single-N | 60  | ±20      | 2.3   | 120(90)  | 155(115) | -        | -        | 8(10v)    | 2.5  | LCD Monitor<br>Fan | Now |
| M2305AA | SOT-23   | Single-P | -16 | ±8       | -0.7  | -        | 70(60)   | 85(70)   | 105(83)  | 10.5      | -3.5 | NB<br>Portable     | Now |
| M2321AA | SOT-23   | Single-P | -20 | ±10(ESD) | -0.7  | -        | 350(255) | 600(405) | -        | 2         | -1.3 | NB<br>Portable     | Now |
| M2323AA | SOT-23   | Single-P | -20 | ±12(ESD) | -0.7  | -        | 120(90)  | 180(130) | 300(200) | 4         | -2.5 | NB<br>Portable     | Now |
| M2301CA | SOT-23   | Single-P | -20 | ±12(ESD) | -0.75 | -        | 70(56)   | 115(85)  | 250(135) | 7         | -3   | NB<br>Portable     | Now |
| M2315A  | SOT-23   | Single-P | -20 | ±12      | -0.7  | -        | 55(35)   | 72(45)   | 100(60)  | 12        | -4   | NB<br>Portable     | Now |
| M2317A  | SOT-23   | Single-P | -20 | ±12      | -0.7  | -        | 35(28)   | 50(38)   | 75(55)   | 14        | -4.5 | NB<br>Portable     | Now |
| M2309A  | SOT-23   | Single-P | -30 | ±20(ESD) | -1.8  | 130(105) | 220(165) | -        | -        | 6.4       | -2.2 | NB<br>Portable     | Now |
| M2600C  | SOT-23-6 | Single-N | 30  | ±20      | 1.5   | 28(22)   | 35(26)   | -        | -        | 9         | 6    | NB<br>Portable     | Now |
| M2603C  | SOT-23-6 | Single-P | -20 | ±12(ESD) | -0.75 | -        | 60(48)   | 115(85)  | 250(135) | 6         | -4   | NB<br>Portable     | Now |
| M2677C  | SOT-23-6 | Single-P | -20 | ±12      | -0.7  | -        | 35(28)   | 48(36)   | 75(50)   | 14        | -5   | NB<br>Portable     | Now |

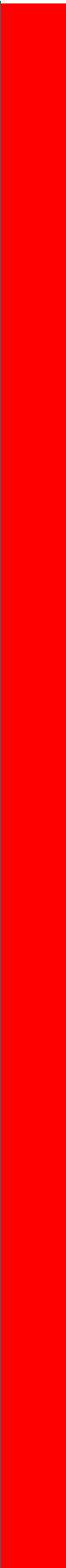
|         |          |                      |        |                       |          |                 |                   |                   |                       |         |          |                            |                |     |
|---------|----------|----------------------|--------|-----------------------|----------|-----------------|-------------------|-------------------|-----------------------|---------|----------|----------------------------|----------------|-----|
| M2605C  | SOT-23-6 | Single-P             | -30    | ±25                   | -1.8     | 52(43)          | 78(60)            | -                 | -                     | -       | 13       | -4.5                       | NB<br>Portable | Now |
| M2607C  | SOT-23-6 | Single-P             | -30    | ±20                   | -1.5     | 120(100)        | 170(140)          | -                 | -                     | -       | 8(10v)   | -3                         | NB<br>Portable | Now |
| M2700AC | SOT-23-6 | Complementary<br>N+P | 20/-20 | ±10(ESD)/±<br>10(ESD) | 0.7/-0.7 | -               | 150(125)/320(255) | 230(175)/550(400) | 450(280)/<br>900(600) | 1.8/2.2 | 2/-1.4   | NB<br>Portable<br>Buck     | Now            |     |
| M2706C  | SOT-23-6 | Complementary<br>N+P | 30/-30 | ±20(ESD)/±<br>20(ESD) | 1.8/-1.8 | 75(55)/125(100) | 110(80)/220(165)  | -                 | -                     | 6.5/6.5 | 3/-2.2   | NB<br>Portable<br>Buck     | Now            |     |
| M1402AS | SC-70    | Single-N             | 20     | ±12(ESD)              | 0.7      | -               | 175(135)          | 250(180)          | 450(280)              | 1.7     | 1.1      | MB<br>Portable             | Now            |     |
| M1404AS | SC-70    | Single-N             | 20     | ±12(ESD)              | 0.7      | -               | 85(65)            | 110(80)           | 200(110)              | 4.4     | 1.5      | MB<br>Portable             | Now            |     |
| M1401AS | SC-70    | Single-P             | -20    | ±10(ESD)              | -0.7     | -               | 340(270)          | 570(420)          | 975(650)              | 1.7     | -0.8     | MB<br>Portable             | Now            |     |
| M1403AS | SC-70    | Single-P             | -20    | ±12(ESD)              | -0.75    | -               | 140(115)          | 180(140)          | 315(210)              | 4       | -1.2     | MB<br>Portable             | Now            |     |
| M2101SG | JSC-70-8 | Single-P             | -20    | ±12(ESD)              | -0.75    | -               | 62(48)            | 105(75)           | 250(135)              | 7       | -3.5     | NB<br>Portable             | Now            |     |
| M2103SG | JSC-70-8 | Dual-P               | -20    | ±12(ESD)              | -0.7     | -               | 110(88)           | 160(120)          | 260(160)              | 5.8     | -2.5     | NB<br>Portable             | Now            |     |
| M2104SG | JSC-70-8 | Complementary<br>N+P | 20/-20 | ±12(ESD)/±<br>12(ESD) | 0.7/-0.7 | -               | 60(45)/110(85)    | 85(60)/165(120)   | 140(90)/2<br>75(180)  | 4.5/4.7 | 3.5/-2.5 | Portable                   | Now            |     |
| M2106SG | JSC-70-8 | Complementary<br>N+P | 30/-30 | ±20(ESD)/±<br>20(ESD) | 1.8/-1.8 | 75(60)/130(105) | 115(85)/220(170)  | -                 | -                     | 8.2/6.3 | 3.2/-2.2 | Portable                   | Now            |     |
| M2701CG | JSOT-6   | Complementary<br>N+P | 20/-20 | ±12(ESD)/±<br>12(ESD) | 0.6/-0.6 | -               | 65(50)/120(90)    | 90(65)/180(130)   | -                     | 5月4日    | 3/-2     | NB<br>Portable<br>Buck     | Now            |     |
| M2704CG | JSOT-6   | Complementary<br>N+P | 20/-20 | ±10(ESD)/±<br>10(ESD) | 0.6/-0.6 | -               | 38(30)/70(56)     | 55(40)/115(85)    | 105(67)/2<br>50(135)  | 10月8日   | 4/-3     | NB<br>Portable<br>Buck     | Now            |     |
| M2702CG | JSOT-6   | P+Level Shift N      | -1     | ±8/±8(ESD)            | -0.7/-   | -               | 60(45)/-          | 85(60)/-          | 150(82)/-             | -       | -3/-     | Cellular phone<br>Portable | Now            |     |

|          |           |                 |       |            |        |               |                       |                        |          |               |          |      |                              |     |
|----------|-----------|-----------------|-------|------------|--------|---------------|-----------------------|------------------------|----------|---------------|----------|------|------------------------------|-----|
| M2703CG  | JSOT-6    | P+Level Shift N | -1    | ±8±8(ESD)  | -0.7/- | -             |                       | 35(25)/-               | 50(38)/- | 80(50)/-      | -        | -4/- | Cellular phone<br>Portable   | Now |
| M2802CG  | JSOT-6    | Single N+SBD    | 20/20 | ±10(ESD)/- | 0.6/-  | -VF=0.5V(MAX) | 70(50)/VF=0.5V(MAX)   | 110(80)/VF=0.5V(MAX)   | -        | VF=0.5V(MAX)  | 4/-      | 3月1日 | Portable<br>Boost            | Now |
| M2803CG  | JSOT-6    | Single P+SBD    | -1    | ±10(ESD)/- | -0.6/- | -VF=0.5V(MAX) | 185(145)/VF=0.5V(MAX) | 235(180)/VF=0.5V(MAX)  | -        | VF=0.5V(MAX)  | 4/-      | -1.5 | NB<br>Portable<br>Buck-Boost | Now |
| M2805QA  | QFN3*2-8  | Single P+SBD    | 1     | ±10(ESD)/- | -0.7/- | VF=0.45V(TYP) | 110(85)/VF=0.45V(TYP) | 160(120)/VF=0.45V(TYP) | -        | VF=0.45V(TYP) | 4.2/-    | 2.6  | Mobile<br>Portable           | Now |
| M2807QB  | TDFN2*2-6 | Single P+SBD    | -1    | ±10(ESD)/- | -0.7/- | VF=0.45V(TYP) | 120(90)/VF=0.45V(TYP) | 160(120)/VF=0.45V(TYP) | -        | VF=0.45V(TYP) | 4.2/-    | 2.2  | Mobile<br>Portable           | Now |
| M2A01NFP | TO-220FP  | Single-N        | 200   | ±25        | 3      | 28(23)        |                       |                        |          |               | 110(10V) | 65   | Inverter                     | Now |

| PART NUMBER  | PACKAGE | VDSS (V) | ID (A) | VGS(th)Min(V) | VGS(th)Max(V) | RDS(on) (m) | @VGS(V)/IDS(A) | Polarity            |
|--------------|---------|----------|--------|---------------|---------------|-------------|----------------|---------------------|
| NTA4001NT1G  | SC-89   | 20       | 0.238  | 0.5           | 1.5           | 3000        | 4.5/0.01       | N-Channel(with ESD) |
| SI1012XT1G   | SC-89   | 20       | 0.5    | 0.45          | 0.9           | 700         | 4.5/0.6        | N-Channel(with ESD) |
| SI1013XT1G   | SC-89   | 20       | 0.35   | 0.45          |               | 1200        | 4.5/0.35       | P-Channel(with ESD) |
| XP152ALT1G   | SOT-23  | 20       | 0.7    | -             | -             | 300         | 4.5/0.4        | P-Channel(with ESD) |
| 2SK3018WT1G  | SC-70   | 30       | 0.1    | 0.8           | 1.5           | 8000        | 4/0.01         | N-Channel(with ESD) |
| 2SK3019LT1G  | SOT-23  | 30       | 0.1    | 0.8           | 1.5           | 13000       | 2.5/0.001      | N-Channel(with ESD) |
| NTA7002NT1G  | SC-89   | 30       | 0.154  | 0.5           | 1.5           | 7000        | 4.5/0.154      | N-Channel(with ESD) |
| NTR4003NLT1G | SOT-23  | 30       | 0.5    | 0.8           | 1.6           | 2000        | 2.5/10         | N-Channel(with ESD) |
| BSS84LT1G    | SOT-23  | 50       | 0.13   | 0.8           | 2             | 10000       | 5/0.1          | P-Channel           |
| BSS84WT1G    | SC-70   | 50       | 0.13   | 0.8           | 2             | 10000       | 5/0.1          | P-Channel           |
| BSS138LT1G   | SOT-23  | 50       | 0.2    | 0.5           | 1.5           | 10000       | 2.75/0.2       | N-Channel           |
| BSS138WT1G   | SC-70   | 50       | 0.2    | 0.5           | 1.5           | 10000       | 2.75/0.2       | N-Channel           |
| 2N7002LT1G   | SOT-23  | 60       | 0.115  | 1             | 2.5           | 7500        | 10/0.5         | N-Channel           |
| RK7002LT1G   | SOT-23  | 60       | 0.115  | 1             | 2.5           | 7500        | 10/-           | N-Channel(with ESD) |
| 2SK801LT1G   | SOT-23  | 60       | 0.31   | 1             | 2             | 2500        | 10/0.5         | N-Channel           |
| 2SK801WT1G   | SC-70   | 60       | 0.31   | 1             | 2.2           | 2500        | 10/0.5         | N-Channel           |
| 2N7002WT1G   | SC-70   | 60       | 0.115  | 1             | 2.5           | 7500        | 10/0.5         | N-Channel           |
| BSS123LT1G   | SOT-23  | 100      | 0.17   | 0.8           | 2.8           | 6000        | 10/0.1         | N-Channel           |
| P2305DSL1G   | SOT-23  | 8        | 3.5    | 0.45          | 0.8           | 68          | 4.5/3.5        | P-Channel           |
| P2307LT1G    | SOT-23  | 16       | 4.7    | 0.6           | 1.4           | 70          | 4.5/4.7        | P-Channel           |
| P2301LT1G    | SOT-23  | 20       | 2.3    | 0.4           | 0.9           | 100         | 4.5/2.8        | P-Channel           |
| N2302LT1G    | SOT-23  | 20       | 2.3    | 0.6           | 1.2           | 60          | 4.5/2.8        | N-Channel           |
| P4101LT1G    | SOT-23  | 20       | 2.3    | 0.45          | 0.95          | 150         | 2.5/2          | P-Channel           |
| N4501LT1G    | SOT-23  | 20       | 3.2    | 0.65          | 1.2           | 70          | 4.5/3.6        | N-Channel           |
| N2502LT1G    | SOT-23  | 20       | 4.2    | 0.6           | 1.2           | 45          | 4.5/4.2        | N-Channel           |
| P3443LT1G    | SOT-23  | 20       | 4.7    | 0.6           | 1.4           | 70          | 4.5/4.7        | P-Channel           |
| N2312LT1G    | SOT-23  | 20       | 4.9    | 0.4           | 1             | 41          | 4.5/5          | N-Channel           |

|               |                |     |       |     |     |       |          |                     |
|---------------|----------------|-----|-------|-----|-----|-------|----------|---------------------|
| N2306LT1G     | SOT-23         | 30  | 5.8   | 0.7 | 1.4 | 38    | 10/5.8   | N-Channel           |
| P2305LT1G     | SOT-23         | 30  | 4.2   | 0.7 | 1.3 | 130   | 2.5/1    | P-Channel           |
| P3401LT1G     | SOT-23         | 30  | 4.2   | 0.7 | 1.3 | 120   | 2.5/1    | P-Channel           |
| P9435LT1G     | SOT-23         | 30  | 5.3   | 1   | 3   | 70    | 10/5.3   | P-Channel           |
| N4812LT1G     | SOT-23         | 30  | 6.9   | 1   | 3   | 38    | 10/8.5   | N-Channel           |
| 2N7002DW1T1G  | SC-88          | 60  | 0.115 | 1   | 2.5 | 7500  | 10/0.5   | Dual-N-Channel      |
| N9926GEO      | TSSOP-6        | 20  | 6     | 0.6 | 1.5 | 45    | 4.5/6.0  | Dual-N-Channel      |
| BSS138V3.3T1G | SC-74          | 50  | 0.2   | 0.5 | 1.5 | 3500  | 5/0.2    | MOSFET+ZENER        |
| NTK3043NT5G   | SOT723         | 20  | 0.255 | 0.4 | 1.3 | 3400  | 4.5/0.01 | N-Channel(with ESD) |
| P2301ALT1G    | SOT-23         | 20  | 2     | 0.4 | 1   | 110   | 4.5/2.8  | P-Channel           |
| N2302ALT1G    | SOT-23         | 20  | 2.8   | 0.6 | 1.2 | 85    | 4.5/2.8  | N-Channel           |
| NTS4409NWT1G  | SC70           | 25  | 0.75  | 0.6 | 1.5 | 350   | 4.5/0.6  | N-Channel(with ESD) |
| 1N60AG        | TO-220/TO-220F | 400 | 6.5   | -   | -   | 1000  | 10/-     | N-Channel           |
| 1N60G         | TO-220/TO-220F | 400 | 10    | -   | -   | 520   | 10/-     | N-Channel           |
| 1N60D         | TO-220/TO-220F | 500 | 5.5   | -   | -   | 1350  | 10/-     | N-Channel           |
| 1N70D         | TO-220/TO-220F | 500 | 8     | -   | -   | 800   | 10/-     | N-Channel           |
| 2N60D         | TO-92          | 600 | 0.5   | -   | -   | 11000 | 10/-     | N-Channel           |
| 1N60P/F       | TO-92          | 600 | 1     | -   | -   | 9300  | 10/-     | N-Channel           |
| 1N70P/F       | TO-251/TO-252  | 600 | 1     | -   | -   | 9300  | 10/-     | N-Channel           |
| 2N60P/F       | TO-220/TO-220F | 600 | 1     | -   | -   | 9300  | 10/-     | N-Channel           |
| 3N60P/F       | TO-251/TO-252  | 600 | 2     | -   | -   | 3800  | 10/-     | N-Channel           |
| 3N65P/F       | TO-220/TO-220F | 600 | 2     | -   | -   | 3800  | 10/-     | N-Channel           |
| 4N60P/F       | TO-220/TO-220F | 600 | 3     | -   | -   | 2800  | 10/-     | N-Channel           |
| 5N60P/F       | TO-220/TO-220F | 600 | 4     | -   | -   | 2270  | 10/-     | N-Channel           |
| 6N60P/F       | TO-220/TO-220F | 600 | 4.5   | -   | -   | 2000  | 10/-     | N-Channel           |
| 7N60P/F       | TO-220/TO-220F | 600 | 6     | -   | -   | 1100  | 10/-     | N-Channel           |
| 7N65P/F       | TO-220/TO-220F | 600 | 7     | -   | -   | 1100  | 10/-     | N-Channel           |
| 7N70P/F       | TO-220/TO-220F | 600 | 7.5   | -   | -   | 1000  | 10/-     | N-Channel           |
| 8N60P/F       | TO-220/TO-220F | 600 | 10    | -   | -   | 600   | 10/-     | N-Channel           |

|          |                |     |    |   |   |   |       |      |           |
|----------|----------------|-----|----|---|---|---|-------|------|-----------|
| 10N60P/F | TO-220/TO-220F | 600 | 12 | - | - | - | 750   | 10/- | N-Channel |
| 12N60P/F | TO-220/TO-220F | 650 | 3  | - | - | - | 2800  | 10/- | N-Channel |
| 12N65P/F | TO-220/TO-220F | 650 | 7  | - | - | - | 1400  | 10/- | N-Channel |
| N730P/F  | TO-220/TO-220F | 650 | 12 | - | - | - | 750   | 10/- | N-Channel |
| N740P/F  | TO-251/TO-252  | 700 | 1  | - | - | - | 11000 | 10/- | N-Channel |
| N830P/F  | TO-220/TO-220F | 700 | 1  | - | - | - | 11000 | 10/- | N-Channel |
| N840P/F  | TO-220/TO-220F | 700 | 7  | - | - | - | 1300  | 10/- | N-Channel |









| Part No. | Maximum Ratings   |         |         |         | Electrical Characteristics (TA=25°C) |               |         |         |                   |         |         | Package          |
|----------|-------------------|---------|---------|---------|--------------------------------------|---------------|---------|---------|-------------------|---------|---------|------------------|
|          | VGDO *VGDX<br>(V) | IG (mA) | ID (mA) | PD (mW) | YFS MIN Typ                          | IDSS *TYP MAX | VDS (V) | VGS (V) | VGS(off) *TYP (V) | VDS (V) | ID (μA) |                  |
| K596     | 20                | 10      | 1       | 100     | 0.4                                  | 100           | 5       | 0       | *0.6              | 1.5     | 1       | TO-92SP          |
| K1109    | 20                | 10      | 10      | 80      | 0.6                                  | 40            | 5       | 0       | 0.1               | 1       | 1       | SOT-23 SOT-323   |
| TF202    | 20                | 10      | 1       | 100     | 0.5                                  | 140           | 5       | 0       | 0.2               | 1.2     | 1       | SOT-113 SOT-523  |
| TF212    | 20                | 10      | 1       | 100     | 1                                    | 140           | 5       | 0       | 0.2               | 1.2     | 1       | SOT-113S SOT-523 |
| TF215    | 20                | 10      | 1       | 100     | 0.8                                  | 140           | 5       | 0       | 0.2               | 1       | 1       | SOT-523          |
| TF218    | 20                | 10      | 1       | 100     | 0.65                                 | 140           | 5       | 0       | 0.2               | 1       | 1       | SOT-523          |
| 2SK303   | 30                | 10      | 20      | 200     | 2.5                                  | *6.0          | 10      | 0       | *1.0              | 4       | 1       | SOT-23           |
| 2SK2751  | 40                | 2       | 10      | 200     | 2.5                                  | -             | 10      | 0       | -                 | -       | 1       | SOT-23 SOT-323   |

20V Trench Power MOSFET

| N-CH    | P-CH    | VDSS<br>(V) | VGSS<br>(±V) | ID<br>(A) | RDS(ON) (mΩ) at VGS = |     |      |     |      |     |      |     | VGS(th) (V) |     | Package                                      |
|---------|---------|-------------|--------------|-----------|-----------------------|-----|------|-----|------|-----|------|-----|-------------|-----|----------------------------------------------|
|         |         |             |              |           | 10V                   |     | 4.5V |     | 2.5V |     | 1.8V |     | Min         | Max |                                              |
|         |         |             |              |           | Typ                   | Max | Typ  | Max | Typ  | Max | Typ  | Max |             |     |                                              |
| -       | EL2301  | 20          | 8            | 2.8       | -                     | -   | 95   | 130 | 122  | 190 | -    | -   | 0.45        | -   | SOT-23 SOT-23-3                              |
| -       | EL2301Z | 20          | 8            | 2.8       | -                     | -   | 95   | 130 | 122  | 190 | -    | -   | 0.45        | -   | SOT-23                                       |
| -       | EL3413  | 20          | 8            | 3         | -                     | -   | 81   | 97  | 108  | 130 | 146  | 190 | 0.3         | 1   | SOT-23 SOT-23-3                              |
| -       | EL4101  | 20          | 8            | 2.4       | -                     | -   | 70   | 85  | 90   | 120 | 112  | 210 | 0.4         | 1.5 | SOT-23 SOT-23-3                              |
| -       | EL2340  | 20          | 8            | 2         | -                     | -   | 52   | 70  | 78   | 110 | -    | 210 | 0.4         | 1.5 | SOT-23                                       |
| -       | EL2311  | 20          | 8            | 4         | -                     | -   | 45   | 55  | 75   | 85  | -    | -   | 0.45        | -   | SOT-23                                       |
| EL2302  | -       | 20          | 8            | 2.4       | -                     | -   | -    | 50  | 75   | 95  | -    | -   | 0.45        | -   | SOT-23 SOT-23-3                              |
| EL3414  | -       | 20          | 8            | 4.2       | -                     | -   | 41   | 50  | 52   | 63  | 67   | 87  | 0.4         | 1   | SOT-23                                       |
| -       | EL3415  | 20          | 8            | 4         | -                     | -   | 35   | 43  | 45   | 54  | 56   | 73  | 0.3         | 1   | SOT-23                                       |
| EL2312  | -       | 20          | 8            | 5         | -                     | -   | 25   | 33  | 35   | 40  | -    | -   | 0.45        | -   | SOT-23                                       |
| EL8205A | -       | 20          | 12           | 6         | -                     | -   | -    | 28  | -    | 38  | -    | -   | 0.5         | 1.5 | SOT-26 SOP-8 TSSOP-8                         |
| EL3416  | -       | 20          | 8            | 6.5       | -                     | -   | 18   | 22  | 21   | 26  | 26   | 34  | 0.4         | 1   | SOT-23                                       |
| EL2308  | -       | 20          | 10           | 2.7       | -                     | -   | -    | 80  | -    | 110 | -    | -   | 0.4         | 1   | SOT-23                                       |
| P45N02  | -       | 20          | 10           | 45        | -                     | -   | -    | -   | -    | -   | -    | -   | 1           | 2   | TO-220 TO-220F TO-220F1 TO-251 TO-252 TO-263 |
| -       | EL3419  | 20          | 12           | 3.5       | 59                    | 75  | 76   | 95  | 111  | 145 | -    | -   | 0.7         | 1.4 | SOT-23                                       |

|               |        |    |    |      |     |     |     |     |     |     |   |     |     |     |                |
|---------------|--------|----|----|------|-----|-----|-----|-----|-----|-----|---|-----|-----|-----|----------------|
| -             | EL2305 | 20 | 12 | 4.2  | -   | 53  | -   | 65  | -   | 100 | - | 250 | 0.5 | 1.2 | SOT-23         |
| -             | EL3443 | 20 | 12 | 4.5  | -   | -   | 50  | 65  | 80  | 100 | - | -   | 0.6 | 1.4 | SOT-26         |
| -             | EL6302 | 20 | 12 | 0.78 | -   | -   | -   | 600 | -   | -   | - | -   | 0.7 | 1.5 | SOT-23 SOT23-3 |
| -             | EL2321 | 20 | 12 | 3.8  | -   | -   | -   | 45  | 55  | 80  | - | -   | 0.4 | 1   | SOT-23         |
| -             | EDN302 | 20 | 12 | 2.4  | -   | -   | -   | 44  | 55  | 80  | - | -   | 0.6 | 1.5 | SOT-23         |
| -             | EL3310 | 20 | 12 | 10   | -   | -   | -   | 150 | -   | 250 | - | -   | 0.5 | -   | TO-251 TO-252  |
| EP9T15G       | -      | 20 | 12 | 12.5 | -   | -   | -   | 50  | -   | 80  | - | -   | 0.5 | 1.5 | TO-251 TO-252  |
| -             | EL2327 | 20 | 12 | 2.6  | -   | -   | -   | -   | -   | -   | - | -   | 0.5 | -   | SOT-23         |
| ML2502        | -      | 20 | 12 | 4.2  | -   | -   | 35  | 45  | 50  | 80  | - | -   | 0.6 | 1.2 | SOT-23         |
| EL3446        | -      | 20 | 12 | 6.2  | -   | -   | 19  | 24  | 25  | 32  | - | -   | 0.4 | 1.5 | SOT-26         |
| ELM2054       | -      | 20 | 16 | 5    | 35  | 40  | 45  | 54  | 110 | 130 | - | -   | 0.6 | 1.5 | SOT-89         |
| ELT200N02     | -      | 20 | 20 | 200  | 2   | 2.4 | -   | -   | -   | -   | - | -   | 1   | 3   | TO-220         |
| ELD50N024-06P | -      | 22 | 20 | 80   | 4.6 | 6   | 7.3 | 9.5 | -   | -   | - | -   | 0.8 | 3   | TO-251 TO-252  |

25V Trench Power MOSFET

| N-CH    | P-CH   | VDSS<br>(V) | VGSS<br>(±V) | ID<br>(A) | RDS(ON) (mΩ) at VGS = |     |      |      |     |     |      |         |     | VGS(th) (V)   |  | Package |
|---------|--------|-------------|--------------|-----------|-----------------------|-----|------|------|-----|-----|------|---------|-----|---------------|--|---------|
|         |        |             |              |           | 10V                   |     |      | 4.5V |     |     | 2.5V |         |     | 1.8V          |  |         |
|         |        |             |              |           | Typ                   | Max | Typ  | Max  | Typ | Max | Typ  | Max     | Typ | Max           |  |         |
| ELN3055 | -      | 25          | 20           | 12        | 50                    | 90  | -    | -    | -   | -   | -    | 0.8     | 2.5 | TO-251 TO-252 |  |         |
| EL3055  | -      | 25          | 16           | 12        | -                     | 70  | -    | 95   | -   | -   | -    | 1.1 typ | -   | TO-251 TO-252 |  |         |
| ELT3055 | -      | 25          | 16           | 12        | -                     | 70  | -    | 95   | -   | -   | -    | 1.1 typ | -   | TO-251 TO-252 |  |         |
| -       | EP2003 | 25          | 20           | 9         | 15                    | 20  | 25   | 35   | -   | -   | -    | 1       | 3   | TO-251 TO-252 |  |         |
| ELM2513 | -      | 25          | 20           | 40        | 10.5                  | 13  | 16   | 23   | -   | -   | -    | 1.3     | 2.5 | TO-251 TO-252 |  |         |
| EL1432  | -      | 25          | 20           | 44        | 6.5                   | 8.5 | 11.5 | 14   | -   | -   | -    | 1       | 3   | SOP-8         |  |         |
| ELD452  | -      | 25          | 20           | 55        | 6.5                   | 8.5 | 11.5 | 14   | -   | -   | -    | 1       | 3   | TO-251 TO-252 |  |         |
| ELD472  | -      | 25          | 20           | 50        | 5                     | 6   | 7.6  | 9.5  | -   | -   | -    | 1.2     | 2.5 | TO-251 TO-252 |  |         |
| ELM2056 | -      | 25          | 20           | 60        | 5                     | 6   | 7    | 10   | -   | -   | -    | 1       | 3   | TO-251 TO-252 |  |         |
| EK3919  | -      | 25          | 20           | 64        | 4.5                   | 5.6 | 6.8  | 13.7 | -   | -   | -    | 2       | 3   | TO-251 TO-252 |  |         |

# 30V Trench Power MOSFET

| N-CH      | P-CH     | VDSS<br>(V) | VGSS<br>(±V) | ID<br>(A) | RDS(ON) (mΩ) at VGS = |     |      |       |       |       |       |       |     |      |     |                                                     | VGS(th) (V) |     | Package |
|-----------|----------|-------------|--------------|-----------|-----------------------|-----|------|-------|-------|-------|-------|-------|-----|------|-----|-----------------------------------------------------|-------------|-----|---------|
|           |          |             |              |           | 10V                   |     |      | 4.5V  |       |       | 2.5V  |       |     | 1.8V |     |                                                     | Min         | Max |         |
|           |          |             |              |           | Typ                   | Max |      | Typ   | Max   |       | Typ   | Max   |     | Typ  | Max |                                                     |             |     |         |
| -         | EL06P03  | 30          | 20           | 4         | 37                    | 45  | 60   | 75    | -     | -     | -     | -     | -   | 0.9  | 3   | TO-251 TO-252                                       |             |     |         |
| -         | EL20P03  | 30          | 15           | 19        | -                     | -   | -    | -     | -     | -     | -     | -     | -   | 1    | 2   | TO-251 TO-252                                       |             |     |         |
| -         | EL30P03  | 30          | 20           | 26        | 30                    | 40  | 40   | 60    | -     | -     | -     | -     | -   | 1    | 3   | TO-251 TO-252                                       |             |     |         |
| EL20N03   | -        | 30          | 20           | 20        | 15.5                  | 20  | 22.9 | 31    | -     | -     | -     | -     | -   | 1.2  | 2   | TO-251 TO-252                                       |             |     |         |
| EL30N03   | -        | 30          | 20           | 30        | 20                    | 30  | 30   | 45    | -     | -     | -     | -     | -   | 1    | -   | TO-251 TO-252 TO-220F1 TO-220 TO-263 TO-262         |             |     |         |
| EL40N03   | -        | 30          | 20           | 40        | 14                    | 17  | 20   | 23    | -     | -     | -     | -     | -   | 1    | 3   | TO-251 TO-252 TO-220F1 TO-220 TO-263 TO-262         |             |     |         |
| ELT40N03  | -        | 30          | 20           | 40        | 14                    | 17  | 20   | 23    | -     | -     | -     | -     | -   | 1    | 3   | TO-252                                              |             |     |         |
| EL60T03   | -        | 30          | 20           | 45        | -                     | 12  | -    | 25    | -     | -     | -     | -     | -   | 1    | 3   | TO-251 TO-252 TO-220F1 TO-220 TO-263 TO-262 TO-220F |             |     |         |
| -         | EL60P03  | 30          | 20           | 60        | -                     | 27  | -    | -     | -     | -     | -     | -     | -   | 2    | 4   | TO-251 TO-252 TO-220F1 TO-220 TO-263 TO-262         |             |     |         |
| -         | ELT60P03 | 30          | 20           | 60        | -                     | 27  | -    | -     | -     | -     | -     | -     | -   | 2    | 4   | TO-252                                              |             |     |         |
| EL75N03   | -        | 30          | 20           | 75        | 5                     | 7   | 7    | 10    | -     | -     | -     | -     | -   | 1    | 3   | TO-251 TO-252 TO-220F1 TO-220 TO-263 TO-262         |             |     |         |
| -         | EL70P03  | 30          | 20           | 75        | -                     | 8   | -    | 10    | -     | -     | -     | -     | -   | 1    | 3   | TO-251 TO-252 TO-220F1 TO-220 TO-263 TO-262         |             |     |         |
| EL85N03   | -        | 30          | 20           | 85        | -                     | 6   | -    | 10    | -     | -     | -     | -     | -   | 1    | 3   | TO-251 TO-252 TO-220                                |             |     |         |
| EL100N03  | -        | 30          | 20           | 100       | 3.05                  | 5.3 | 4.2  | 8     | -     | -     | -     | -     | -   | 1    | 3   | TO-251 TO-252 TO-220F1 TO-220 TO-263 TO-262         |             |     |         |
| EL108N03  | -        | 30          | 20           | 108       | 4.2                   | 5.3 | -    | 6.6   | -     | -     | -     | -     | -   | 1    | 3   | TO-251 TO-252 TO-220F1 TO-220 TO-263 TO-262         |             |     |         |
| EL120N03  | -        | 30          | 20           | 120       | -                     | 3.8 | -    | 6.4   | -     | -     | -     | -     | -   | 1    | 3   | TO-220 TO-263                                       |             |     |         |
| EL136N03  | -        | 30          | 20           | 136       | 3.6                   | 4.5 | -    | 5.6   | -     | -     | -     | -     | -   | 1    | 3   | TO-220 TO-263                                       |             |     |         |
| ELT150N03 | -        | 30          | 20           | 150       | 3.4                   | 4.1 | 4    | 4.6   | -     | -     | -     | -     | -   | 1    | 3   | TO-220 TO-263                                       |             |     |         |
| ELT220N03 | -        | 30          | 20           | 220       | 2                     | 2.4 | -    | -     | -     | -     | -     | -     | -   | 1    | 3   | TO-220 TO-263                                       |             |     |         |
| EL2306    | -        | 30          | 8            | 3.5       | 42                    | 65  | -    | -     | -     | -     | -     | -     | -   | 1    | 2   | SOT-23 SOT-23-3                                     |             |     |         |
| -         | EL3P01Z  | 30          | 10           | 0.1       | -                     | -   | 8000 | 10400 | 11000 | 15400 | 27000 | 54000 | 0.4 | 1.4  | 1.4 | SOT-323 SOT-523 SOT-23-3                            |             |     |         |
| EL3N01Z   | -        | 30          | 10           | 0.15      | -                     | -   | -    | -     | 3700  | 5200  | -     | -     | 0.4 | 1.3  | 1.3 | SOT-323 SOT-523                                     |             |     |         |
| -         | EL7401   | 30          | 12           | 1.2       | 122                   | 150 | 147  | 200   | 207   | 280   | -     | -     | 0.6 | 1.4  | 1.4 | SOT-23                                              |             |     |         |
| EL7400    | -        | 30          | 12           | 1.7       | 70                    | 85  | 81   | 100   | 114   | 140   | -     | -     | 0.6 | 1.4  | 1.4 | SOT-23                                              |             |     |         |
| -         | EL3403   | 30          | 12           | 2.6       | 102                   | 130 | 128  | 180   | 187   | 260   | -     | -     | 0.6 | 1.4  | 1.4 | SOT-23 SOT-23-3                                     |             |     |         |
| EL3418    | -        | 30          | 12           | 3.8       | 43                    | 60  | 52   | 70    | 101   | 155   | -     | -     | 1   | 1.8  | 1.8 | SOT-23                                              |             |     |         |

|         |         |    |    |      |      |      |      |      |      |       |   |     |     |     |                                            |
|---------|---------|----|----|------|------|------|------|------|------|-------|---|-----|-----|-----|--------------------------------------------|
| -       | EL3401  | 30 | 12 | 4.2  | 42   | 50   | 53   | 65   | 80   | 120   | - | -   | 0.7 | 1.3 | SOT-23                                     |
| -       | EL3401Z | 30 | 12 | 4.2  | 42   | 50   | 53   | 65   | 80   | 120   | - | -   | 0.7 | 1.3 | SOT-23                                     |
| -       | EL2305A | 30 | 12 | 4.2  | -    | 60   | -    | 80   | -    | 150   | - | 250 | 0.5 | 1.2 | SOT-23                                     |
| EL3400  | -       | 30 | 12 | 5.8  | 22.8 | 28   | 27.3 | 33   | 43.3 | 52    | - | -   | 0.7 | 1.4 | SOT-23                                     |
| -       | EL6401  | 30 | 12 | 5    | 42   | 49   | 53   | 64   | 81   | 119   | - | -   | 0.7 | 1.3 | SOT-26                                     |
| EL4404  | -       | 30 | 12 | 8.5  | 18   | 24   | 22   | 30   | 32   | 48    | - | -   | 0.7 | 1.4 | SOP-8                                      |
| EL4406  | -       | 30 | 12 | 11.5 | 11.5 | 14.8 | 13.5 | 17.5 | 19.5 | 26.8  | - | -   | 0.8 | 1.5 | SOP-8                                      |
| EL4420  | -       | 30 | 12 | 13.7 | 8.3  | 10.5 | 9.7  | 12   | -    | -     | - | -   | 0.6 | 2   | SOP-8                                      |
| ELL1426 | -       | 30 | 12 | 46   | 8.5  | 10.5 | 10.2 | 12.5 | -    | -     | - | -   | 1   | 2.5 | SOP-8                                      |
| UK3018  | -       | 30 | 20 | 0.1  | -    | -    | -    | -    | 7000 | 13000 | - | -   | 0.8 | 1.5 | SOT-23-3 SOT-323                           |
| UK3019  | -       | 30 | 20 | 0.1  | -    | -    | -    | -    | 7000 | 13000 | - | -   | 0.8 | 1.5 | SOT-23-3                                   |
| -       | ELR4502 | 30 | 20 | 1.13 | 155  | 200  | 240  | 350  | -    | -     | - | -   | 1   | 3   | SOT-23 SOT-23-3                            |
| ELD351  | -       | 30 | 20 | 1.4  | 92   | 160  | 120  | 250  | -    | -     | - | -   | 0.8 | 3   | SOT-23                                     |
| EL2304  | -       | 30 | 20 | 2.5  | -    | 117  | -    | 190  | -    | -     | - | -   | 1   | 3   | SOT-23 SOT-23-3                            |
| -       | EL3409  | 30 | 20 | 2.6  | 97   | 130  | 166  | 200  | -    | -     | - | -   | 1   | 3   | SOT-23 SOT-23-3                            |
| -       | ELC654  | 30 | 20 | 3.6  | 63   | 75   | 100  | 125  | -    | -     | - | -   | 1   | 3   | SOT-23 SOT-23-3                            |
| EL2316  | -       | 30 | 20 | 3.6  | 42   | 50   | 68   | 85   | -    | -     | - | -   | 0.8 | -   | SOT-23                                     |
| EL3406  | -       | 30 | 20 | 3.6  | 50   | 65   | 75   | 105  | -    | -     | - | -   | 1   | 3   | SOT-23                                     |
| -       | EL2309  | 30 | 20 | 3.7  | -    | 65   | -    | 85   | -    | -     | - | -   | 1   | 3   | SOT-23                                     |
| ELD410  | -       | 30 | 20 | 8    | 48   | 65   | 75   | 105  | -    | -     | - | -   | 1   | 3   | TO-251 TO-252                              |
| -       | EL9435H | 30 | 20 | 5.3  | 44   | 50   | 74   | 90   | -    | -     | - | -   | 1   | 3   | SOP-8 SOT-223                              |
| -       | EL4405  | 30 | 20 | 6    | 40   | 50   | 65   | 85   | -    | -     | - | -   | 1   | 3   | SOP-8                                      |
| -       | EL9435  | 30 | 20 | 4.2  | -    | 50   | -    | 90   | -    | -     | - | -   | 1   | 3   | TO-251 TO-252 SOT-89 SOP-8                 |
| -       | EL4411  | 30 | 20 | 8    | 24.5 | 32   | 41   | 55   | -    | -     | - | -   | 1.2 | 2.4 | SOP-8                                      |
| -       | ELD405  | 30 | 20 | 18   | 24.5 | 32   | 41   | 60   | -    | -     | - | -   | 1.2 | 2.4 | TO-251 TO-252                              |
| EL3404  | -       | 30 | 20 | 5.8  | 22.5 | 28   | 34.5 | 43   | -    | -     | - | -   | 1   | 3   | SOT-23                                     |
| EL6402  | -       | 30 | 20 | 6.9  | 22.5 | 28   | 34.5 | 42   | -    | -     | - | -   | 1   | 3   | SOT-23 SOT-26                              |
| ELD420  | -       | 30 | 20 | 10   | 21   | 28   | 32.5 | 42   | -    | -     | - | -   | 1   | 3   | TO-251 TO-252                              |
| EL4414  | -       | 30 | 20 | 8.5  | 20   | 26   | 31   | 40   | -    | -     | - | -   | 1   | 3   | SOP-8                                      |
| ELM3023 | -       | 30 | 20 | 30   | 15   | 20   | 22   | 28   | -    | -     | - | -   | 1   | 2   | SOT-223 TO-252 TO-252 TO-220 TO-220F 220F1 |
| ELD408  | -       | 30 | 20 | 18   | 13.6 | 18   | 20.6 | 27   | -    | -     | - | -   | 1   | 2.5 | TO-251 TO-252                              |
| EL4422  | -       | 30 | 20 | 11   | 12.6 | 15   | 19.6 | 24   | -    | -     | - | -   | 1   | 3   | SOP-8                                      |
| ELD484  | -       | 30 | 20 | 25   | 12.1 | 15   | 18.5 | 23   | -    | -     | - | -   | 1   | 2.5 | TO-251 TO-252                              |
| EL4410  | -       | 30 | 20 | 11.6 | 12   | 18   | 17   | 20   | -    | -     | - | -   | 1.3 | 3   | SOP-8                                      |
| ELD8878 | -       | 30 | 20 | 40   | 11   | 15   | 14   | 18.5 | -    | -     | - | -   | 1.2 | 2.5 | TO-251 TO-252                              |
| EL4468  | -       | 30 | 20 | 11.6 | 11   | 14   | 17.4 | 22   | -    | -     | - | -   | 1.5 | 3   | SOP-8                                      |
| EL3120  | -       | 30 | 20 | 11.6 | 11   | 14   | 17.4 | 22   | -    | -     | - | -   | 1.5 | 3   | SOP-8                                      |

|         |         |  |    |    |      |      |      |      |      |   |   |   |     |     |               |
|---------|---------|--|----|----|------|------|------|------|------|---|---|---|-----|-----|---------------|
| EL4392  | -       |  | 30 | 20 | 12.5 | 9    | 11.5 | 13   | 16.5 | - | - | - | 1   | 3   | SOP-8         |
| -       | ELT4425 |  | 30 | 25 | 14   | 8.8  | 11   | -    | -    | - | - | - | 2   | 3.5 | SOP-8         |
| ED4809  | -       |  | 30 | 20 | 9    | 7    | 9    | 12   | 14   | - | - | - | 1.5 | 2.5 | TO-251 TO-252 |
| EL8880  | -       |  | 30 | 20 | 54   | 9.5  | 11.6 | 12   | 14.5 | - | - | - | 1.2 | 2.5 | TO-251 TO-252 |
| EL4446  | -       |  | 30 | 20 | 15   | 6.9  | 8.5  | 11.8 | 14.5 | - | - | - | 1   | 3   | SOP-8         |
| EL3009  | -       |  | 30 | 20 | 78   | 4.7  | 5.5  | 7.5  | 9    | - | - | - | 1   | 2.5 | TO-251 TO-252 |
| ELD436  | -       |  | 30 | 20 | 60   | 5.4  | 7.5  | 9.8  | 13   | - | - | - | 1   | 3   | TO-251 TO-252 |
| EL3006  | -       |  | 30 | 20 | 55   | -    | 9    | -    | 16   | - | - | - | 1   | 3   | TO-251 TO-252 |
| ELD4806 | -       |  | 30 | 20 | 14   | 4.8  | -    | 7.5  | -    | - | - | - | 1.5 | 2.5 | TO-251 TO-252 |
| EL4430  | -       |  | 30 | 20 | 18   | 4.7  | 5.5  | 6.2  | 7.5  | - | - | - | 1   | 2.5 | SOP-8         |
| -       | EL2352  |  | 30 | 25 | 1.3  | 150  | 180  | 250  | 300  | - | - | - | 0.8 | 2.5 | SOT-23        |
| -       | EL4435  |  | 30 | 25 | 8.8  | 15   | 20   | 22   | 35   | - | - | - | 1   | 3   | SOP-8         |
| -       | ELT4815 |  | 30 | 25 | 8    | 16.2 | 20   | 37   | -    | - | - | - | 1   | 3   | SOP-8         |
| EL4800  | -       |  | 30 | 25 | 6.5  | 15.5 | 18.5 | 23   | 30   | - | - | - | 0.8 | 1.8 | SOP-8         |
|         | ELT4407 |  | 30 | 25 | 12   | 11   | 14   | 24   | -    | - | - | - | 1.7 | 3   | SOP-8         |
| -       | EL6679  |  | 30 | 25 | 13   | 7.3  | 9    | 10   | 13   | - | - | - | 1   | 3   | SOP-8         |
| EL4424  | -       |  | 30 | 25 | 13.8 | -    | 9    | -    | 14   | - | - | - | 1   | 3   | SOP-8         |
| -       | EL4413  |  | 30 | 25 | 15   | 6.6  | 8.5  | -    | -    | - | - | - | 1.5 | 3.5 | SOP-8         |

40V Trench Power MOSFET

| N-CH      | P-CH   | VDSS<br>(V) | VGSS<br>(±V) | ID<br>(A) | RDS(ON) (mΩ) at VGS = |     |     |      |     |      |     |      |                                       | VGS(th) (V) |     | Package |
|-----------|--------|-------------|--------------|-----------|-----------------------|-----|-----|------|-----|------|-----|------|---------------------------------------|-------------|-----|---------|
|           |        |             |              |           | 10V                   |     |     | 4.5V |     | 2.5V |     | 1.8V |                                       | Min         | Max |         |
|           |        |             |              |           | Typ                   | Max | Typ | Max  | Typ | Max  | Typ | Max  |                                       |             |     |         |
| T25N04* - |        | 40          | 20           | 25        | 19                    | 29  | -   | -    | -   | -    | 1   | 3    | TO-252 TO-220 TO-220F TO-220F1 TO-263 |             |     |         |
| T60N04    | -      | 40          | 20           | 60        | 3.5                   | 4.5 | 5.1 | 6.5  | -   | -    | 1   | 3    | TO-252 TO-220 TO-220F TO-220F1 TO-263 |             |     |         |
| 40N04     | -      | 40          | 20           | 25        | 19                    | 29  | -   | -    | -   | -    | 2   | 3    | TO-252                                |             |     |         |
|           | E9564  | 40          | 25           | 7.3       | -                     | 28  | -   | 40   | -   | -    | 1   | 3    | SOP-8                                 |             |     |         |
| -         | 30P04  | 40          | 20           | 21        | 30                    | 40  | -   | -    | -   | -    | 1   | 3    | TO-251 TO-252                         |             |     |         |
| D454      | -      | 40          | 20           | 12        | 25                    | 33  | 34  | 47   | -   | -    | 1.8 | 3    | TO-251 TO-252                         |             |     |         |
| -         | D413   | 40          | 20           | 12        | 36                    | 45  | 51  | 69   | -   | -    | 1   | 3    | TO-251 TO-252                         |             |     |         |
| -         | E5504  | 40          | 20           | 8         | 38                    | 55  | 65  | 94   | -   | -    | 1   | 2.5  | TO-251 TO-252                         |             |     |         |
| -         | T30P04 | 40          | 20           | 21        | 30                    | 40  | -   | -    | -   | -    | 1   | 3    | TO-252 TO-220 TO-220F TO-220F1 TO-263 |             |     |         |
| -         | T50P04 | 60          | 20           | 60        | 10.5                  | 13  | -   | -    | -   | -    | 1   | 3    | TO-252 TO-220 TO-220F TO-220F1 TO-263 |             |     |         |

|   |         |    |    |     |   |    |   |   |   |   |     |   |                            |
|---|---------|----|----|-----|---|----|---|---|---|---|-----|---|----------------------------|
| - | T75P04  | 60 | 20 | 75  | - | 12 | - | - | - | - | 1.5 | 3 | TO-263 TO-220 TO-3P TO-247 |
| - | T100P04 | 60 | 20 | 100 | - | 8  | - | - | - | - | 1.5 | 3 | TO-263 TO-220 TO-3P TO-247 |
| - | T150P04 | 60 | 20 | 120 | - | 5  | - | - | - | - | 1.5 | 3 | TO-263 TO-220 TO-3P TO-247 |

#### 50V Trench Power MOSFET

| N-CH    | P-CH | VDSS<br>(V) | VGSS<br>(±V) | ID<br>(A) | RDS(ON) (mΩ) at VGS = |      |      |      |     |       |       |      |     |               | VGS(th) (V) |     | Package |
|---------|------|-------------|--------------|-----------|-----------------------|------|------|------|-----|-------|-------|------|-----|---------------|-------------|-----|---------|
|         |      |             |              |           | 10V                   |      |      | 4.5V |     | 2.5V  |       | 1.8V |     |               |             |     |         |
|         |      |             |              |           | Typ                   | Max  | Typ  | Max  | Typ | Max   | Typ   | Max  | Typ | Max           | Min         | Max |         |
|         |      |             |              |           |                       |      |      |      |     |       |       |      |     |               |             |     |         |
| T100N05 | -    | 50          | 20           | 0.22      | 700                   | -    | 1000 | -    | -   | -     | -     | 1    | 3   | TO-220        |             |     |         |
| BSS138  | -    | 50          | 20           | 0.22      | 700                   | 3500 | 1000 | 6000 | -   | -     | -     | 0.8  | 1.5 | SOT-23-3      |             |     |         |
| EK1398  | -    | 50          | 7            | 0.1       | -                     | -    | -    | -    | -   | 22000 | 40000 | 1    | 3   | SOT-223 TO-92 |             |     |         |
| EP672   | -    | 50          | 7            | 0.1       | -                     | -    | -    | -    | -   | 20000 | 40000 | 0.7  | 1.5 | SOT-363       |             |     |         |

#### 55V Trench Power MOSFET

| N-CH | P-CH | VDSS<br>(V) | VGSS<br>(±V) | ID<br>(A) | RDS(ON) (mΩ) at VGS = |     |      |     |      |     |      |     | VGS(th) (V) |   | Package |
|------|------|-------------|--------------|-----------|-----------------------|-----|------|-----|------|-----|------|-----|-------------|---|---------|
|      |      |             |              |           | 10V                   |     | 4.5V |     | 2.5V |     | 1.8V |     |             |   |         |
|      |      | Typ         | Max          | Typ       | Max                   | Typ | Max  | Typ | Max  | Typ | Max  | Min | Max         |   |         |
|      |      | T3205       |              | 55        | 20                    | 110 |      | 8   |      |     |      |     |             | 2 | 4       |

#### 60V Trench Power MOSFET

| N-CH       | P-CH   | VDSS<br>(V) | VGSS<br>(±V) | ID<br>(A) | RDS(ON) (mΩ) at VGS = |      |      |      |      |       |      |     |     |     | VGS(th) (V) |                       |  | Package |     |     |
|------------|--------|-------------|--------------|-----------|-----------------------|------|------|------|------|-------|------|-----|-----|-----|-------------|-----------------------|--|---------|-----|-----|
|            |        |             |              |           | 10V                   |      |      | 4.5V |      |       | 2.5V |     |     |     | 1.8V        |                       |  |         | Min | Max |
|            |        |             |              |           | Typ                   | Max  | Typ  | Typ  | Max  | Typ   | Max  | Typ | Max | Typ | Max         |                       |  |         |     |     |
| MBF170     | —      | 60          | 20           | 0.3       | 2800                  | 5000 | 3800 | 5300 | -    | -     | -    | -   | 1   | -   | -           | SOT-23-3              |  |         |     |     |
| M6K31N     | —      | 60          | 20           | 0.25      | 1700                  | 2400 | 2100 | 3000 | 3000 | 12000 | -    | -   | 1   | -   | 2.5         | SOT-363               |  |         |     |     |
| 2N7002K*   |        | 60          | 20           | 0.3       | -                     | 2000 | -    | 4000 | -    | -     | -    | -   | 1   | -   | 2.5         | SOT-23-3              |  |         |     |     |
| 2N7002KT*  |        | 60          | 20           | 0.3       | -                     | 2000 | -    | 4000 | -    | -     | -    | -   | 1   | -   | 2.5         | SOT-323               |  |         |     |     |
| 2N7002KW*  |        | 60          | 20           | 0.3       | -                     | 2000 | -    | 4000 | -    | -     | -    | -   | 1   | -   | 2.5         | SOT-523               |  |         |     |     |
| 2N7002KDW* |        | 60          | 20           | 0.3       | -                     | 2000 | -    | 4000 | -    | -     | -    | -   | 1   | -   | 2.5         | SOT-363(Dual N-ch)    |  |         |     |     |
| T3458      | —      | 60          | 20           | 4.1       | 82                    | 100  | 105  | 128  | -    | -     | -    | -   | 1.5 | 3   | -           | SOT-26                |  |         |     |     |
| —          | 2P06   | 60          | 20           | 3         | -                     | 180  | -    | 260  | -    | -     | -    | -   | 1   | 3   | -           | SOT-23                |  |         |     |     |
| T3N06      | —      | 60          | 20           | 3         | -                     | 90   | -    | 120  | -    | -     | -    | -   | 1   | 3   | -           | SOT-23 TO-252         |  |         |     |     |
| —          | T18P06 | 60          | 20           | 18        | 72                    | 90   | -    | -    | -    | -     | -    | -   | 1.5 | 3   | -           | SOT-223 TO-251 TO-252 |  |         |     |     |

|         |   |         |    |    |      |     |     |    |     |   |   |   |     |     |                                       |
|---------|---|---------|----|----|------|-----|-----|----|-----|---|---|---|-----|-----|---------------------------------------|
| —       |   | T25P06  | 60 | 15 | 27.5 | 65  | 75  | -  | -   | - | - | - | 2   | 4   | SOT-223 TO-251 TO-252                 |
| T9971P* |   |         | 60 | 25 | 5    | -   | 50  | -  | 60  | - | - | - | 1   | 3   | SOP-8 TO-252                          |
| T30N06  | — |         | 60 | 20 | 30   | 32  | 40  | -  | -   | - | - | - | 2   | 4   | TO-252 TO-220 TO-220F TO-220F1 TO-263 |
| —       |   | T30P06  | 60 | 15 | 30   | 67  | 80  | -  | -   | - | - | - | 2   | 4   | TO-252 TO-220 TO-220F TO-220F1 TO-263 |
| —       |   | T40P06  | 60 | 20 | 40   | 26  | 35  | -  | -   | - | - | - | 1.5 | 3   | TO-252 TO-220 TO-220F TO-220F1 TO-263 |
| T50N06  | — |         | 60 | 20 | 50   | 18  | 23  | -  | -   | - | - | - | 2   | 4   | TO-252 TO-220 TO-220F TO-220F1 TO-263 |
| T60N06  | — |         | 60 | 20 | 60   | 14  | 18  | -  | -   | - | - | - | 2   | 4   | TO-252 TO-220 TO-220F TO-220F1 TO-263 |
| —       |   | T60P06  | 60 | 20 | 60   | 16  | 20  | -  | -   | - | - | - | 1.5 | 3   | TO-252 TO-220 TO-220F TO-220F1 TO-263 |
| T80N06  | — |         | 60 | 20 | 84   | 8   | 10  | -  | -   | - | - | - | 2   | 4   | TO-220 TO-220F TO-220F1 TO-263        |
| —       |   | T80P06  | 60 | 20 | 80   | 8   | 10  | -  | -   | - | - | - | 1.5 | 3   | TO-220 TO-220F TO-220F1 TO-263        |
| K4145   | — |         | 60 | 20 | 84   | 7   | 10  | -  | -   | - | - | - | 2   | 4   | TO-220 TO-220F TO-220F1 TO-263        |
| T100N06 | — |         | 60 | 20 | 100  | 7   | -   | 10 | -   | - | - | - | 1   | 3   | TO-220 TO-220F1                       |
| —       |   | T100P06 | 60 | 20 | 100  | 4.8 | 6   |    |     |   |   |   | 1.5 | 3   | TO-220 TO-3P TO-247                   |
| T120N06 |   |         | 60 | 20 | 150  | 5   | 6.6 |    |     |   |   |   | 2.5 | 4.5 | TO-220 TO-3P TO-247                   |
| —       |   | T120P06 | 60 | 20 | 120  | 5.5 | 6.9 | 7  | 8.8 |   |   |   | 1   | 3   | TO-220                                |
| T150N06 |   |         | 60 | 20 | 150  | 3.2 | 4   | -  | -   | - | - | - | 2.5 | 4.5 | TO-220 TO-3P TO-247                   |

75V/80V Trench Power MOSFET

| N-CH   | P-CH | VDSS<br>(V) | VGSS<br>(±V) | ID<br>(A) | RDS(ON) (mΩ) at VGS = |     |      |     |      |     |      |     | VGS(th) (V)            |     | Package |
|--------|------|-------------|--------------|-----------|-----------------------|-----|------|-----|------|-----|------|-----|------------------------|-----|---------|
|        |      |             |              |           | 10V                   |     | 4.5V |     | 2.5V |     | 1.8V |     | Min                    | Max |         |
|        |      |             |              |           | Typ                   | Max | Typ  | Max | Typ  | Max | Typ  | Max |                        |     |         |
|        |      |             |              |           |                       |     |      |     |      |     |      |     |                        |     |         |
| 75N75  | -    | 75          | 20           | 80        | 10                    | 30  | -    | -   | -    | -   | 1.4  | 3   | TO-220                 |     |         |
| 75N08  | -    | 75          | 20           | 80        | 9.5                   | 11  | -    | -   | -    | -   | 2    | 4   | TO-220F1 TO-220 TO-263 |     |         |
| 100N08 | -    | 75          | 20           | 100       | 6                     | 7.5 | -    | -   | -    | -   | 2    | 4   | TO-220F1 TO-220 TO-263 |     |         |

55V Planar Power MOSFET

| N-CH   | P-CH     | VDSS<br>(V) | VGSS<br>(±V) | ID<br>(A) | RDS(ON) (mΩ) at VGS = |     |      |     |      |     |      |     | VGS(th) (V) |                         | Package |
|--------|----------|-------------|--------------|-----------|-----------------------|-----|------|-----|------|-----|------|-----|-------------|-------------------------|---------|
|        |          |             |              |           | 10V                   |     | 4.5V |     | 2.5V |     | 1.8V |     | Min         | Max                     |         |
|        |          |             |              |           | Typ                   | Max | Typ  | Max | Typ  | Max | Typ  | Max |             |                         |         |
|        |          |             |              |           |                       |     |      |     |      |     |      |     |             |                         |         |
| —      | UFR9024* | 55          | 20           | 11        | -                     | 175 | -    | -   | -    | -   | -    | 2   | 4           | TO-251 TO-252           |         |
| EL3205 | —        | 55          | 20           | 110       | -                     | 8   | -    | -   | -    | -   | -    | 2   | 4           | TO-220F TO-220F1 TO-220 |         |

60V Planar Power MOSFET

| N-CH      | P-CH    | VDSS<br>(V) | VGSS<br>(±V) | ID<br>(A) | RDS(ON) (mΩ) at VGS = |      |      |     |      |     |      |     | VGS(th) (V)                                 |     | Package |
|-----------|---------|-------------|--------------|-----------|-----------------------|------|------|-----|------|-----|------|-----|---------------------------------------------|-----|---------|
|           |         |             |              |           | 10V                   |      | 4.5V |     | 2.5V |     | 1.8V |     |                                             |     |         |
|           |         |             |              |           | Typ                   | Max  | Typ  | Max | Typ  | Max | Typ  | Max | Min                                         | Max |         |
| 2N7000    | —       | 60          | 20           | 0.115     | 1200                  | 7500 | -    | -   | -    | -   | 1    | 2.5 | TO-92                                       |     |         |
| 2N7000Z   | —       | 60          | 20           | 0.115     | 1200                  | 7500 | -    | -   | -    | -   | 1    | 2.5 | TO-92                                       |     |         |
| 2N7002Z   | —       | 60          | 20           | 0.3       | -                     | 7500 | -    | -   | -    | -   | 1    | 2.5 | SOT-23-3                                    |     |         |
| 2N7002ZW  | —       | 60          | 20           | 0.3       | 13500(TJ=125°C)       |      | -    | -   | -    | -   | 1    | 2.5 | SOT-323                                     |     |         |
| 2N7002ZT  | —       | 60          | 20           | 0.3       | 13500(TJ=125°C)       |      | -    | -   | -    | -   | 1    | 2.5 | SOT-523                                     |     |         |
| 2N7002ZDW | —       | 60          | 20           | 0.3       | 13500(TJ=125°C)       |      | -    | -   | -    | -   | 1    | 2.5 | SOT-363(Dual N-ch)                          |     |         |
| 2N7002L   | —       | 60          | 20           | 0.115     | -                     | 7500 | -    | -   | -    | -   | 1    | 2.5 | SOT-23-3                                    |     |         |
| 2N7002    | —       | 60          | 20           | 0.3       | -                     | 7500 | -    | -   | -    | -   | 1    | 2.5 | SOT-23-3                                    |     |         |
| 2N7002W   | —       | 60          | 20           | 0.3       | 13500(TJ=125°C)       |      | -    | -   | -    | -   | 1    | 2.5 | SOT-323                                     |     |         |
| 2N7002T   | —       | 60          | 20           | 0.3       | 13500(TJ=125°C)       |      | -    | -   | -    | -   | 1    | 2.5 | SOT-523                                     |     |         |
| 2N7002DW  | —       | 60          | 20           | 0.3       | 13500(TJ=125°C)       |      | -    | -   | -    | -   | 1    | 2.5 | SOT-363(Dual N-ch)                          |     |         |
| NTD3055   | —       | 60          | 20           | 12        | 100                   | 150  | -    | -   | -    | -   | 2    | 4   | SOT-223 SOP-8 TO-251 TO-252 TO-220F         |     |         |
| NTF3055   | —       | 60          | 20           | 3         | 88                    | 110  | -    | -   | -    | -   | 2    | 4   | SOT-223 SOP-8 TO-251 TO-252 TO-220F         |     |         |
| —         | NTF2955 | 60          | 20           | 12        | 155                   | 180  | -    | -   | -    | -   | 2    | 4   | SOT-223 SOP-8 TO-251 TO-252 TO-220F         |     |         |
| 12N06     | —       | 60          | 20           | 12        | 80                    | 100  | -    | -   | -    | -   | 1    | 3   | SOP-8 TO-252 TO-220F1 TO-220 TO-263 TO-262  |     |         |
| 15N06     | —       | 60          | 15           | 15        | 75                    | 100  | -    | -   | -    | -   | 1    | 2.5 | SOP-8 TO-252 TO-220F1 TO-220 TO-263 TO-262  |     |         |
| 25N06     | —       | 60          | 20           | 25        | 48                    | 65   | -    | -   | -    | -   | 2    | 4   | TO-251 TO-252 TO-220F1 TO-220 TO-263 TO-262 |     |         |



|          |   |    |    |     |    |    |    |   |   |   |   |   |                                             |
|----------|---|----|----|-----|----|----|----|---|---|---|---|---|---------------------------------------------|
| 30N06    | — | 60 | 20 | 30  | 32 | 40 | -  | - | - | - | 2 | 4 | TO-251 TO-252 TO-220F1 TO-220 TO-263 TO-262 |
| 50N06    | — | 60 | 20 | 50  | 18 | 23 | -  | - | - | - | 2 | 4 | TO-251 TO-252 TO-220F1 TO-220 TO-263 TO-262 |
| 60N06    | — | 60 | 20 | 60  | 14 | 18 | -  | - | - | - | 2 | 4 | TO-220F1 TO-220 TO-263 TO-262               |
| 70N06    | — | 60 | 20 | 70  | 12 | 15 | -  | - | - | - | 2 | 4 | TO-220F1 TO-220 TO-263 TO-262               |
| 100N06   | — | 60 | 20 | 100 | 7  | -  | 10 | - | - | - | 2 | 4 | TO-220F1 TO-220 TO-263 TO-262               |
| IRFZ44   | — | 60 | 20 | 50  | -  | 28 | -  | - | - | - | 2 | 4 | TO-220F1 TO-220 TO-263 TO-262               |
| IRF1010E | — | 60 | 20 | 84  | -  | 12 | -  | - | - | - | 2 | 4 | TO-220F1 TO-220 TO-263 TO-262               |

**75V Planar Power MOSFET**

| N-CH   | P-CH | VDSS<br>(V) | VGSS<br>(±V) | ID<br>(A) | RDS(ON) (mΩ) at VGS = |     |      |     |      |     |      |     | VGS(th) (V)            |     | Package |
|--------|------|-------------|--------------|-----------|-----------------------|-----|------|-----|------|-----|------|-----|------------------------|-----|---------|
|        |      |             |              |           | 10V                   |     | 4.5V |     | 2.5V |     | 1.8V |     | Min                    | Max |         |
|        |      |             |              |           | Typ                   | Max | Typ  | Max | Typ  | Max | Typ  | Max |                        |     |         |
| 75N75A | -    | 75          | 20           | 80        | 9.5                   | 11  | -    | -   | -    | -   | 2    | 4   | TO-220F1 TO-220 TO-263 |     |         |
| 75N75  |      | 75          | 20           | 80        | 9.5                   | 11  |      |     |      |     | 2    | 4   | TO-220F1 TO-220 TO-263 |     |         |

**80V Planar Power MOSFET**

| N-CH  | P-CH | VDSS<br>(V) | VGSS<br>(±V) | ID<br>(A) | RDS(ON) (mΩ) at VGS = |     |      |     |      |     |      |     | VGS(th) (V)                    |     | Package |
|-------|------|-------------|--------------|-----------|-----------------------|-----|------|-----|------|-----|------|-----|--------------------------------|-----|---------|
|       |      |             |              |           | 10V                   |     | 4.5V |     | 2.5V |     | 1.8V |     | Min                            | Max |         |
|       |      |             |              |           | Typ                   | Max | Typ  | Max | Typ  | Max | Typ  | Max |                                |     |         |
| 60N08 | -    | 80          | 20           | 60        | 18                    | 24  | -    | -   | -    | -   | 2    | 4   | TO-220F TO-220F1 TO-220 TO-263 |     |         |
| 70N08 | -    | 80          | 20           | 70        | 14                    | 18  | -    | -   | -    | -   | 2    | 4   | TO-220F TO-220F1 TO-220 TO-263 |     |         |
| 80N08 | -    | 80          | 20           | 80        | -                     | 12  | -    | -   | -    | -   | 2.1  | 4   | TO-220F1 TO-220 TO-263         |     |         |

100V Planar Power MOSFET

| N-CH    | P-CH  | VDSS<br>(V) | VGSS<br>(±V) | ID<br>(A) | RDS(ON) (mΩ) at VGS = |      |  |      |     |  |      |     |  | VGS(th) (V) |     | Package                                   |
|---------|-------|-------------|--------------|-----------|-----------------------|------|--|------|-----|--|------|-----|--|-------------|-----|-------------------------------------------|
|         |       |             |              |           | 10V                   |      |  | 4.5V |     |  | 2.5V |     |  | 1.8V        |     |                                           |
|         |       |             |              |           | Typ                   | Max  |  | Typ  | Max |  | Typ  | Max |  | Typ         | Max |                                           |
| 6N10    | —     | 100         | 20           | 6.5       | 160                   | 200  |  | 180  | 225 |  | -    | -   |  | 1           | 3   | SOP-8 TO-251 TO-252 TO-220F TO-220 TO-262 |
| 7N10    | —     | 100         | 25           | 7         | 280                   | 350  |  | -    | -   |  | -    | -   |  | 2           | 4   | SOP-8 TO-251 TO-252 TO-220F TO-220 TO-262 |
| —       | 12P10 | 100         | 30           | 9.4       | 240                   | 290  |  | -    | -   |  | -    | -   |  | 2           | 4   | SOP-8 TO-251 TO-252 TO-220F TO-220 TO-262 |
| 12N10   | —     | 100         | 20           | 12        | 150                   | 180  |  | -    | -   |  | -    | -   |  | 2           | 4   | SOP-8 TO-251 TO-252 TO-220F TO-220 TO-262 |
| 19N10   | —     | 100         | 25           | 15.6      | 78                    | 100  |  | -    | -   |  | -    | -   |  | 2           | 4   | TO-251 TO-252 TO-220F TO-220 TO-262       |
| 25N10   | —     | 100         | 20           | 23        | -                     | 80   |  | -    | -   |  | -    | -   |  | 2           | 4   | TO-251 TO-252 TO-220F TO-220 TO-262       |
| 45N10   | —     | 100         | 20           | 45        | -                     | 38   |  | -    | -   |  | -    | -   |  | 2           | 4   | TO-220F TO-220 TO-262 TO-263              |
| IRF3710 | —     | 100         | 20           | 57        | -                     | 23   |  | -    | -   |  | -    | -   |  | 2           | 4   | TO-220F TO-220F1 TO-220                   |
| IRF8010 | —     | 100         | 20           | 80        | 12                    | 15   |  | -    | -   |  | -    | -   |  | 2           | 4   | TO-220F TO-220F1 TO-220                   |
| EL2N10  | —     | 100         | 10           | 2         | -                     | 1050 |  | -    | -   |  | -    | -   |  | 1           | 2   | TO-252                                    |

150V Planar Power MOSFET

| N-CH  | P-CH | VDSS<br>(V) | VGSS<br>(±V) | ID<br>(A) | RDS(ON) (mΩ) at VGS = |     |  |      |     |  |      |     |   | VGS(th) (V) |                                              | Package |
|-------|------|-------------|--------------|-----------|-----------------------|-----|--|------|-----|--|------|-----|---|-------------|----------------------------------------------|---------|
|       |      |             |              |           | 10V                   |     |  | 4.5V |     |  | 2.5V |     |   | 1.8V        |                                              |         |
|       |      |             |              |           | Typ                   | Max |  | Typ  | Max |  | Typ  | Max |   | Typ         | Max                                          |         |
|       |      |             |              |           |                       |     |  |      |     |  |      |     |   | Min         | Max                                          |         |
| 10N15 |      | 150         | 20           | 9         |                       | 400 |  |      |     |  |      |     | 2 | 4           | SOP-8 TO-251 TO-252 TO-220F<br>TO-220 TO-262 |         |

200V Planar Power MOSFET

| N-CH   | P-CH    | VDSS<br>(V) | VGSS<br>(±V) | ID<br>(A) | RDS(ON) (mΩ) at VGS = |     |  |      |     |  |      |     |  | VGS(th) (V) |     | Package                                      |
|--------|---------|-------------|--------------|-----------|-----------------------|-----|--|------|-----|--|------|-----|--|-------------|-----|----------------------------------------------|
|        |         |             |              |           | 10V                   |     |  | 4.5V |     |  | 2.5V |     |  |             |     |                                              |
|        |         |             |              |           | Typ                   | Max |  | Typ  | Max |  | Typ  | Max |  | Typ         | Max |                                              |
| —      | 7P20    | 200         | 30           | 5.7       | 540                   | 690 |  | -    | -   |  | -    | -   |  | 2           | 4   | TO-251 TO-252 TO-220F TO-220 TO-262          |
| —      | IRF9630 | 200         | 20           | 6.5       | 500                   | 800 |  | -    | -   |  | -    | -   |  | 2           | 4   | TO-251 TO-252 TO-220F TO-220 TO-262          |
| IRF630 | —       | 200         | 20           | 9         | 250                   | 400 |  | -    | -   |  | -    | -   |  | 2           | 4   | TO-251 TO-252 TO-220F1 TO-220F TO-220 TO-262 |
| —      | IRF9640 | 200         | 20           | 11        | -                     | 500 |  | -    | -   |  | -    | -   |  | 2           | 4   | TO-220F TO-220 TO-262                        |
| IRF640 | —       | 200         | 20           | 18        | 140                   | 180 |  | -    | -   |  | -    | -   |  | 2           | 4   | TO-220F TO-220F1 TO-220                      |
| 22N20  | —       | 200         | 30           | 22        | 120                   | 140 |  | -    | -   |  | -    | -   |  | 3           | 5   | TO-220F TO-220F1 TO-220                      |

250V Planar Power MOSFET

| N-CH   | P-CH | VDSS<br>(V) | VGSS<br>(±V) | ID<br>(A) | RDS(ON) (mΩ) at VGS = |     |   |      |     |   |      |     |   | VGS(th) (V) |                         | Package |
|--------|------|-------------|--------------|-----------|-----------------------|-----|---|------|-----|---|------|-----|---|-------------|-------------------------|---------|
|        |      |             |              |           | 10V                   |     |   | 4.5V |     |   | 2.5V |     |   | 1.8V        |                         |         |
|        |      |             |              |           | Typ                   | Max |   | Typ  | Max |   | Typ  | Max |   | Typ         | Max                     |         |
|        |      |             |              |           |                       |     |   |      |     |   |      |     |   |             |                         |         |
| IRF634 | —    | 250         | 30           | 8.1       | -                     | 450 | - | -    | -   | - | -    | -   | 2 | 4           | TO-220F TO-220F1 TO-220 |         |

400V Planar Power MOSFET

| N-CH | P-CH | VDSS<br>(V) |    | VGSS<br>(±V) | ID<br>(A) | RDS(ON) (mΩ) at VGS = |     |  |      |     |  |      |     |   | VGS(th) (V)                                |     |  | Package |
|------|------|-------------|----|--------------|-----------|-----------------------|-----|--|------|-----|--|------|-----|---|--------------------------------------------|-----|--|---------|
|      |      |             |    |              |           | 10V                   |     |  | 4.5V |     |  | 2.5V |     |   |                                            |     |  |         |
|      |      |             |    |              |           | Typ                   | Max |  | Typ  | Max |  | Typ  | Max |   | Typ                                        | Max |  |         |
| 1N40 |      | 400         | 30 | 1.4          | 4500      | 5800                  |     |  |      |     |  |      | 2   | 4 | TO-92 SOT-223 TO-126 TO-251 TO-252         |     |  |         |
| 2N40 |      | 400         | 30 | 2            | 3000      | 3600                  |     |  |      |     |  |      | 2   | 4 | TO-92 SOT-223 TO-251 TO-252 TO-220F TO-262 |     |  |         |
| 3N40 |      | 400         | 30 | 3            | 2000      | 3000                  |     |  |      |     |  |      | 2   | 4 | TO-251 TO-252 TO-220F TO-220 TO-262        |     |  |         |
| 4N40 |      | 400         | 30 | 4            | 1500      | 2000                  |     |  |      |     |  |      | 2   | 4 | TO-251 TO-252 TO-220F TO-220 TO-262        |     |  |         |
| 5N40 |      | 400         | 30 | 5            | 1100      | 1600                  |     |  |      |     |  |      | 2   | 4 | TO-251 TO-252 TO-220F TO-220 TO-262        |     |  |         |

|        |   |     |    |      |     |      |   |   |   |   |   |   |   |   |   |   |   |                                     |
|--------|---|-----|----|------|-----|------|---|---|---|---|---|---|---|---|---|---|---|-------------------------------------|
| 6N40   | — | 400 | 30 | 6    | 830 | 1000 |   |   |   |   |   |   |   |   |   | 2 | 4 | TO-251 TO-252 TO-220F TO-220 TO-262 |
| 7N40   |   | 400 | 30 | 7    | 750 | 900  |   |   |   |   |   |   |   |   |   | 2 | 4 | TO-251 TO-252 TO-220F TO-220 TO-262 |
| 8N40   |   | 400 | 30 | 8    | 680 | 820  |   |   |   |   |   |   |   |   |   | 2 | 4 | TO-251 TO-252 TO-220F TO-220 TO-262 |
| 9N40   |   | 400 | 30 | 8.5  | 600 | 750  |   |   |   |   |   |   |   |   |   | 2 | 4 | TO-251 TO-252 TO-220F TO-220 TO-262 |
| 10N40  |   | 400 | 30 | 10.5 | 500 | 650  |   |   |   |   |   |   |   |   |   | 2 | 4 | TO-251 TO-252 TO-220F TO-220 TO-262 |
| 11N40  | — | 400 | 30 | 11.4 | 420 | 520  |   |   |   |   |   |   |   |   |   | 2 | 4 | TO-251 TO-252 TO-220F TO-220 TO-262 |
| 12N40  |   | 400 | 30 | 12   | 340 | 470  |   |   |   |   |   |   |   |   |   | 2 | 4 | TO-251 TO-252 TO-220F TO-220 TO-262 |
| 13N40  |   | 400 | 30 | 13   |     | 350  |   |   |   |   |   |   |   |   |   | 2 | 4 | TO-220F                             |
| 15N40  |   | 400 | 30 | 15   | 260 | 350  |   |   |   |   |   |   |   |   |   | 2 | 4 | TO-220 TO-220F TO-220F1             |
| 18N40  | — | 400 | 30 | 18   | 180 | 240  |   |   |   |   |   |   |   |   |   | 2 | 4 | TO-220 TO-247 TO-3P                 |
| 20N40  |   | 400 | 30 | 23   | 150 | 200  |   |   |   |   |   |   |   |   |   | 2 | 4 | TO-247                              |
| 25N40  |   | 400 | 30 | 26   | 110 | 160  |   |   |   |   |   |   |   |   |   | 2 | 4 | TO-247                              |
| IRF730 | — | 400 | 20 | 5.5  | 800 | 1000 | — | — | — | — | — | — | — | — | — | 2 | 4 | TO-220 TO-220F TO-220F1 TO-262      |
| IRF740 | — | 400 | 20 | 10   | 470 | 550  | — | — | — | — | — | — | — | — | — | 2 | 4 | TO-220 TO-220F TO-220F1 TO-262      |

500V Planar Power MOSFET

| N-CH | P-CH | VDSS<br>(V) | VGSS<br>(±V) | ID<br>(A) | RDS(ON) (mΩ) at VGS = |      |  |      |     |  |      |     |  | VGS(th) (V) |     |   | Package                                    |
|------|------|-------------|--------------|-----------|-----------------------|------|--|------|-----|--|------|-----|--|-------------|-----|---|--------------------------------------------|
|      |      |             |              |           | 10V                   |      |  | 4.5V |     |  | 2.5V |     |  | 1.8V        |     |   |                                            |
|      |      |             |              |           | Typ                   | Max  |  | Typ  | Max |  | Typ  | Max |  | Typ         | Max |   |                                            |
| 1N50 |      | 500         | 30           | 1.3       | 4600                  | 6000 |  |      |     |  |      |     |  |             | 2   | 4 | TO-92 SOT-223 TO-126 TO-251 TO-252 TO-220F |
| 2N50 |      | 500         | 30           | 2         | 3900                  | 4900 |  |      |     |  |      |     |  |             | 2   | 4 | TO-92 SOT-223 TO-126 TO-251 TO-252 TO-220F |
| 3N50 |      | 500         | 30           | 3         | 2200                  | 3200 |  |      |     |  |      |     |  |             | 2   | 4 | TO-92 SOT-223 TO-126 TO-251 TO-252 TO-220F |
| 4N50 |      | 500         | 30           | 4         | 1600                  | 2200 |  |      |     |  |      |     |  |             | 2   | 4 | TO-92 SOT-223 TO-126 TO-251 TO-252 TO-220F |

|         |   |     |    |     |      |      |  |  |  |  |  |  |  |  |  |  |  |   |   |                                            |
|---------|---|-----|----|-----|------|------|--|--|--|--|--|--|--|--|--|--|--|---|---|--------------------------------------------|
| 5N50    | — | 500 | 30 | 5   | 1300 | 1700 |  |  |  |  |  |  |  |  |  |  |  | 2 | 4 | TO-92 SOT-223 TO-126 TO-251 TO-252 TO-220F |
| 6N50    |   | 500 | 30 | 6   | 950  | 1150 |  |  |  |  |  |  |  |  |  |  |  | 2 | 4 | TO-92 SOT-223 TO-126 TO-251 TO-252 TO-220F |
| 7N50    |   | 500 | 30 | 7   | 800  | 1000 |  |  |  |  |  |  |  |  |  |  |  | 2 | 4 | TO-220 TO-220F TO-220F1 TO-262             |
| 8N50    |   | 500 | 30 | 8   | 770  | 950  |  |  |  |  |  |  |  |  |  |  |  | 2 | 4 | TO-220 TO-220F TO-220F1 TO-262             |
| 9N50    |   | 500 | 30 | 9   | 700  | 850  |  |  |  |  |  |  |  |  |  |  |  | 2 | 4 | TO-220 TO-220F TO-220F1 TO-262             |
| 10N50   |   | 500 | 30 | 10  | 600  | 750  |  |  |  |  |  |  |  |  |  |  |  | 2 | 4 | TO-220 TO-220F TO-220F1 TO-262             |
| 11N50   | — | 500 | 30 | 11  | 520  | 620  |  |  |  |  |  |  |  |  |  |  |  | 2 | 4 | TO-220 TO-220F TO-220F1 TO-262             |
| 12N50   |   | 500 | 30 | 12  | 420  | 540  |  |  |  |  |  |  |  |  |  |  |  | 2 | 4 | TO-220 TO-220F TO-220F1 TO-262             |
| 13N50   |   | 500 | 30 | 13  | 420  | 520  |  |  |  |  |  |  |  |  |  |  |  | 2 | 4 | TO-220 TO-220F TO-220F1 TO-262             |
| 16N50   |   | 500 | 30 | 16  | 380  | 480  |  |  |  |  |  |  |  |  |  |  |  | 2 | 4 | TO-220 TO-220F TO-220F1 TO-262             |
| 18N50   | — | 500 | 30 | 18  | 350  | 410  |  |  |  |  |  |  |  |  |  |  |  | 2 | 4 | TO-220F TO-220F1 TO220 TO-262 TO-3P        |
| 24N50   |   | 500 | 30 | 24  | 150  | 310  |  |  |  |  |  |  |  |  |  |  |  | 2 | 4 | TO-247 TO-3P                               |
| IRF830  | — | 500 | 30 | 4.5 | 1300 | 1500 |  |  |  |  |  |  |  |  |  |  |  | 2 | 4 | TO-251 TO-252 TO-220F TO-220 TO-262        |
| IRF830Z |   | 500 | 30 | 4.5 | 1300 | 1500 |  |  |  |  |  |  |  |  |  |  |  | 2 | 4 | TO-220F                                    |
| IRF840  | — | 500 | 30 | 8   | 800  | 850  |  |  |  |  |  |  |  |  |  |  |  | 2 | 4 | TO-220 TO-220F TO-220F1 TO-262             |
| IRF450  | — | 500 | 21 | 14  | 260  | 400  |  |  |  |  |  |  |  |  |  |  |  | 2 | 4 | TO-220F TO-220F1 TO-220 TO-262             |
| IRF460  | — | 500 | 20 | 21  | 210  | 270  |  |  |  |  |  |  |  |  |  |  |  | 2 | 4 | TO-3P TO-247                               |
| IRK3568 | — | 500 | 30 | 12  | 400  | 520  |  |  |  |  |  |  |  |  |  |  |  | 2 | 4 | TO-220F TO-220F1 TO-220 TO-262             |

600V Planar Power MOSFET

| N-CH   | P-CH | VDSS<br>(V) | VGSS<br>(±V) | ID<br>(A) | RDS(ON) (mΩ) at VGS = |       |   |      |     |   |      |     |   |      | VGS(th) (V)                                |  | Package |     |     |
|--------|------|-------------|--------------|-----------|-----------------------|-------|---|------|-----|---|------|-----|---|------|--------------------------------------------|--|---------|-----|-----|
|        |      |             |              |           | 10V                   |       |   | 4.5V |     |   | 2.5V |     |   | 1.8V |                                            |  |         | Min | Max |
|        |      |             |              |           | Typ                   | Max   |   | Typ  | Max |   | Typ  | Max |   | Typ  | Max                                        |  |         |     |     |
| 1N60A  | —    | 600         | 30           | 0.5       | 11000                 | 15000 | - | -    | -   | - | -    | -   | 2 | 4.2  | TO-92 SOT-223 TO-126 TO-251 TO-252         |  |         |     |     |
| 1N60   | —    | 600         | 30           | 1.2       | 9300                  | 11500 | - | -    | -   | - | -    | -   | 2 | 4    | TO-92 SOT-223 TO-126 TO-251 TO-252 TO-220F |  |         |     |     |
| 2N60L  | —    | 600         | 30           | 2         | 3600                  | 4700  | - | -    | -   | - | -    | -   | 2 | 4    | TO-92 TO-251 TO-252 TO-220F TO-220 TO-262  |  |         |     |     |
| 2N60   | —    | 600         | 30           | 2         | 3600                  | 4700  | - | -    | -   | - | -    | -   | 2 | 4    | TO-92 TO-126 TO-251 TO-252 TO-220F TO-220  |  |         |     |     |
| 3N60   | —    | 600         | 30           | 3         | 2800                  | 3600  | - | -    | -   | - | -    | -   | 2 | 4    | TO-251 TO-252 TO-220F TO-220 TO-262        |  |         |     |     |
| 3N60A  |      | 600         | 30           | 3         | 2800                  | 3600  | - | -    | -   | - | -    | -   | 2 | 4    | TO-252                                     |  |         |     |     |
| 4N60   | —    | 600         | 30           | 4         | 2200                  | 2500  | - | -    | -   | - | -    | -   | 2 | 4    | TO-252 TO-220F TO-220F1 TO-220 TO-262      |  |         |     |     |
| 5N60   | —    | 600         | 30           | 4.5       | 1800                  | 2200  | - | -    | -   | - | -    | -   | 2 | 4    | TO-252 TO-220F TO-220F1 TO-220 TO-262      |  |         |     |     |
| 6N60   | —    | 600         | 30           | 6.2       | 1000                  | 1500  | - | -    | -   | - | -    | -   | 2 | 4    | TO-252 TO-220F TO-220F1 TO-220 TO-262      |  |         |     |     |
| 7N60A  | —    | 600         | 30           | 7         | 920                   | 1200  | - | -    | -   | - | -    | -   | 2 | 4    | TO-252 TO-220F TO-220F1 TO-220 TO-262      |  |         |     |     |
| 7N60   | —    | 600         | 30           | 7.4       | 830                   | 1000  | - | -    | -   | - | -    | -   | 2 | 4    | TO-252 TO-220F TO-220F1 TO-220 TO-262      |  |         |     |     |
| 7N60Z  | —    | 600         | 30           | 7.4       | 830                   | 1000  | - | -    | -   | - | -    | -   | 2 | 4    | TO-252 TO-220F TO-220F1 TO-220 TO-262      |  |         |     |     |
| 8N60   | —    | 600         | 30           | 7.5       | 1000                  | 1200  | - | -    | -   | - | -    | -   | 2 | 4    | TO-220F1 TO-220 TO-262                     |  |         |     |     |
| 9N60   |      | 600         | 30           | 9         | 850                   | 1050  |   |      |     |   |      |     | 2 | 4    | TO-220F TO-220F1 TO220                     |  |         |     |     |
| 10N60  | —    | 600         | 30           | 10        | 700                   | 950   | - | -    | -   | - | -    | -   | 2 | 4    | TO-220F1 TO-220 TO-262                     |  |         |     |     |
| 12N60  | —    | 600         | 30           | 12        | 650                   | 900   | - | -    | -   | - | -    | -   | 2 | 4    | TO-220F1 TO-220 TO-262                     |  |         |     |     |
| 15N60  | —    | 600         | 30           | 15        | 500                   | 650   | - | -    | -   | - | -    | -   | 3 | 5    | TO-247 TO-220F1                            |  |         |     |     |
| 18N60  | —    | 600         | 30           | 18        | 360                   | 400   | - | -    | -   | - | -    | -   | 2 | 4    | TO-3P TO-247                               |  |         |     |     |
| 20N60  |      | 600         | 30           | 20        | 300                   | 390   |   |      |     |   |      |     | 2 | 4    | TO-3P TO-247                               |  |         |     |     |
| 22N60  | —    | 600         | 30           | 22        | 260                   | 340   | - | -    | -   | - | -    | -   | 2 | 4    | TO-3P TO-247                               |  |         |     |     |
| EL2996 | —    | 600         | 30           | 10        | 740                   | 1000  | - | -    | -   | - | -    | -   | 2 | 4    | TO-220F1 TO-220 TO-262                     |  |         |     |     |

650V Planar Power MOSFET

| N-CH  | P-CH | VDSS<br>(V) | VGSS<br>(±V) | ID<br>(A) | RDS(ON) (mΩ) at VGS = |       |      |     |      |     |      |     | VGS(th) (V)                                       |     | Package |
|-------|------|-------------|--------------|-----------|-----------------------|-------|------|-----|------|-----|------|-----|---------------------------------------------------|-----|---------|
|       |      |             |              |           | 10V                   |       | 4.5V |     | 2.5V |     | 1.8V |     | Min                                               | Max |         |
|       |      |             |              |           | Typ                   | Max   | Typ  | Max | Typ  | Max | Typ  | Max |                                                   |     |         |
| 1N65A | -    | 650         | 30           | 0.5       | 11000                 | 15000 | -    | -   | -    | -   | 2    | 4.2 | TO-92 SOT-223 TO-126 TO-251 TO-252                |     |         |
| 1N65  | -    | 650         | 30           | 1.2       | 9500                  | 12500 | -    | -   | -    | -   | 2    | 4   | TO-92 SOT-223 TO-126 TO-251 TO-252 TO-220F TO-126 |     |         |
| 2N65  | -    | 650         | 30           | 2         | 3900                  | 5500  | -    | -   | -    | -   | 2    | 4   | TO-92 TO-251 TO-252 TO-220F TO-220 TO-262 TO-126  |     |         |
| 2N65L | -    | 650         | 30           | 2         | 3900                  | 5500  | -    | -   | -    | -   | 2    | 4   | TO-92 TO-251 TO-252 TO-220F TO-220 TO-262         |     |         |
| 3N65  | -    | 650         | 30           | 3         | 2900                  | 3800  | -    | -   | -    | -   | 2    | 4   | TO-251 TO-252 TO-220F TO-220F1 TO-220 TO-262      |     |         |
| 3N65A |      | 650         | 30           | 3         | 2900                  | 3800  | -    | -   | -    | -   | 2    | 4   | TO-252                                            |     |         |
| 4N65  | -    | 650         | 30           | 4         | 2400                  | 2800  | -    | -   | -    | -   | 2    | 4   | TO-251 TO-252 TO-220F TO-220F1 TO-220 TO-262      |     |         |
| 5N65  | -    | 650         | 30           | 4.5       | 2000                  | 2400  | -    | -   | -    | -   | 2    | 4   | TO-251 TO-252 TO-220F TO-220F1 TO-220 TO-262      |     |         |
| 6N65  | -    | 650         | 30           | 6.2       | 1100                  | 1700  | -    | -   | -    | -   | 2    | 4   | TO-220F TO-220F1 TO-220 TO-262                    |     |         |
| 7N65A | -    | 650         | 30           | 7         | 1050                  | 1400  | -    | -   | -    | -   | 2    | 4   | TO-220F TO-220F1 TO-220 TO-262                    |     |         |
| 7N65Z | -    | 650         | 30           | 7.4       | 940                   | 1200  | -    | -   | -    | -   | 2    | 4   | TO-220F TO-220F1 TO-220 TO-262                    |     |         |
| 7N65  | -    | 650         | 30           | 7.4       | 940                   | 1200  | -    | -   | -    | -   | 2    | 4   | TO-220F TO-220F1 TO-220 TO-262                    |     |         |

650V Planar Power MOSFET

| N-CH  | P-CH | VDSS<br>(V) | VGSS<br>(±V) | ID<br>(A) | RDS(ON) (mΩ) at VGS = |      |      |     |      |     |      |     | VGS(th) (V)                    |     | Package |
|-------|------|-------------|--------------|-----------|-----------------------|------|------|-----|------|-----|------|-----|--------------------------------|-----|---------|
|       |      |             |              |           | 10V                   |      | 4.5V |     | 2.5V |     | 1.8V |     |                                |     |         |
|       |      |             |              |           | Typ                   | Max  | Typ  | Max | Typ  | Max | Typ  | Max | Min                            | Max |         |
| 8N65  | -    | 650         | 30           | 7.5       | 1000                  | 1200 | -    | -   | -    | -   | 2    | 4   | TO-220F TO-220F1 TO-220 TO-262 |     |         |
| 9N65  |      | 650         | 30           | 9         | 850                   | 1100 |      |     |      |     | 2    | 4   | TO-220F TO-220F1 TO-220        |     |         |
| 10N65 | -    | 650         | 30           | 10        | 600                   | 730  | -    | -   | -    | -   | 2    | 4   | TO-220F TO-220F1 TO-220        |     |         |

|       |   |     |    |    |     |     |   |   |   |   |   |   |                         |
|-------|---|-----|----|----|-----|-----|---|---|---|---|---|---|-------------------------|
| 12N65 | - | 650 | 30 | 12 | 550 | 800 | - | - | - | - | 2 | 4 | TO-220F TO-220F1 TO-220 |
| 15N65 |   | 650 | 30 | 15 | 360 | 440 |   |   |   |   | 2 | 4 | TO-247                  |
| 20N65 | - | 650 | 30 | 22 | 320 | 450 | - | - | - | - | 2 | 4 | TO-247                  |
| 22N65 | - | 650 | 30 | 22 | 300 | 350 | - | - | - | - | 2 | 4 | TO-3P TO-247            |

700V Planar Power MOSFET

| N-CH  | P-CH | VDSS<br>(V) | VGSS<br>(±V) | ID<br>(A) | RDS(ON) (mΩ) at VGS = |       |      |     |      |     |      |     |     | VGS(th) (V)                                  |     | Package |
|-------|------|-------------|--------------|-----------|-----------------------|-------|------|-----|------|-----|------|-----|-----|----------------------------------------------|-----|---------|
|       |      |             |              |           | 10V                   |       | 4.5V |     | 2.5V |     | 1.8V |     |     | Min                                          | Max |         |
|       |      |             |              |           | Typ                   | Max   | Typ  | Max | Typ  | Max | Typ  | Max | Max |                                              |     |         |
| 1N70  | -    | 700         | 30           | 1.2       | 9300                  | 13500 | -    | -   | -    | -   | -    | 2   | 4   | TO-92 SOT-223 TO-126 TO-251 TO-252           |     |         |
| 2N70  | -    | 700         | 30           | 2         | 5000                  | 6300  | -    | -   | -    | -   | -    | 2   | 4   | TO-92 TO-251 TO-252 TO-220F TO-220 TO-262    |     |         |
| 3N70  | -    | 700         | 30           | 3         | 3100                  | 4000  | -    | -   | -    | -   | -    | 2   | 4   | TO-251 TO-252 TO-220F TO-220F1 TO-220/TO-262 |     |         |
| 4N70  | -    | 700         | 30           | 4.4       | 2600                  | 3100  | -    | -   | -    | -   | -    | 2   | 4   | TO-251 TO-252 TO-220F TO-220F1 TO-220 TO-262 |     |         |
| 5N70  |      | 700         | 30           | 5         | 2200                  | 2600  |      |     |      |     |      | 2   | 4   | TO-251 TO-252 TO-220F TO-220F1 TO-220        |     |         |
| 6N70  |      | 700         | 30           | 6         | 1200                  | 1800  |      |     |      |     |      | 2   | 4   | TO-220F TO-220F1 TO-220 TO-262               |     |         |
| 7N70  | -    | 700         | 30           | 7         | 1400                  | 1600  | -    | -   | -    | -   | -    | 2   | 4   | TO-251 TO-252 TO-220F TO-220F1 TO-220 TO-262 |     |         |
| 8N70  |      | 700         | 30           | 8         | 1200                  | 1400  |      |     |      |     |      | 2   | 4   | TO-220F TO-220F1 TO-220 TO-262               |     |         |
| 9N70  |      | 700         | 30           | 9         | 1100                  | 1250  |      |     |      |     |      | 2   | 4   | TO-220F1 TO-220F TO-220                      |     |         |
| 10N70 |      | 700         | 30           | 10        | 900                   | 1200  |      |     |      |     |      | 2   | 4   | TO-220F1 TO-220 TO-262                       |     |         |
| 12N70 | -    | 700         | 30           | 12        | 700                   | 1000  | -    | -   | -    | -   | -    | 2   | 4   | TO-220F1 TO-220 TO-262 TO-262 TO-247         |     |         |

750V Planar Power MOSFET

| N-CH  | P-CH | VDSS<br>(V) | VGSS<br>(±V) | ID<br>(A) | RDS(ON) (mΩ) at VGS = |      |      |     |      |     |      |     |     | VGS(th) (V)             |  | Package |
|-------|------|-------------|--------------|-----------|-----------------------|------|------|-----|------|-----|------|-----|-----|-------------------------|--|---------|
|       |      |             |              |           | 10V                   |      | 4.5V |     | 2.5V |     | 1.8V |     | Min | Max                     |  |         |
|       |      |             |              |           | Typ                   | Max  | Typ  | Max | Typ  | Max | Typ  | Max |     |                         |  |         |
|       |      |             |              |           |                       |      |      |     |      |     |      |     |     |                         |  |         |
| 7N75  | -    | 750         | 30           | 7         | 1350                  | 1700 | -    | -   | -    | -   | -    | 2   | 4   | TO-220 TO-220F TO-220F1 |  |         |
| 10N75 |      | 750         | 30           | 10        | 930                   | 1300 | -    | -   | -    | -   | -    | 3   | 5   | TO-220 TO-220F TO-220F1 |  |         |



800V Planar Power MOSFET

| N-CH  | P-CH | VDSS<br>(V) | VGSS<br>(±V) | ID<br>(A) | RDS(ON) (mΩ) at VGS = |       |      |     |      |     |      |     |                                              | VGS(th) (V) |  | Package |
|-------|------|-------------|--------------|-----------|-----------------------|-------|------|-----|------|-----|------|-----|----------------------------------------------|-------------|--|---------|
|       |      |             |              |           | 10V                   |       | 4.5V |     | 2.5V |     | 1.8V |     | Min                                          | Max         |  |         |
|       |      |             |              |           | Typ                   | Max   | Typ  | Max | Typ  | Max | Typ  | Max |                                              |             |  |         |
| 1N80  | -    | 800         | 30           | 1         | 11000                 | 13500 | -    | -   | -    | -   | 3    | 5   | TO-251 TO-252 TO-220F TO-220F1 TO-220 TO-262 |             |  |         |
| 2N80  | -    | 800         | 30           | 2.4       | 4800                  | 6300  | -    | -   | -    | -   | 3    | 5   | TO-251 TO-252 TO-220F TO-220F1 TO-220 TO-262 |             |  |         |
| 3N80  | -    | 800         | 30           | 3         | 3200                  | 4200  | -    | -   | -    | -   | 3    | 4.5 | TO-251 TO-252 TO-220F TO-220F1 TO-220 TO-262 |             |  |         |
| 4N80  | -    | 800         | 30           | 4         | 2300                  | 3000  | -    | -   | -    | -   | 3    | 5   | TO-251 TO-252 TO-220F TO-220F1 TO-220 TO-262 |             |  |         |
| 5N80  | -    | 800         | 30           | 5.5       | 2000                  | 2500  | -    | -   | -    | -   | 3    | 5   | TO-220F TO-220F1 TO-220 TO-262               |             |  |         |
| 6N80  | -    | 800         | 30           | 6         | 1600                  | 2000  | -    | -   | -    | -   | 3    | 5   | TO-220F1 TO-220 TO-262                       |             |  |         |
| 7N80  | -    | 800         | 30           | 7         | 1400                  | 1800  | -    | -   | -    | -   | 3    | 5   | TO-220F TO-220F1 TO-220 TO-262 TO-263        |             |  |         |
| 8N80  | -    | 800         | 30           | 8         | 1180                  | 1450  | -    | -   | -    | -   | 3    | 5   | TO-220F1 TO-220 TO-262                       |             |  |         |
| 9N80  | -    | 800         | 30           | 9         | 1050                  | 1300  | -    | -   | -    | -   | 3    | 5   | TO-220F1 TO-220 TO-262                       |             |  |         |
| 10N80 | -    | 800         | 30           | 10        | 900                   | 1100  | -    | -   | -    | -   | 3    | 5   | TO-3P TO-247                                 |             |  |         |
| 12N80 |      | 800         | 30           | 12        | 750                   | 900   | -    | -   | -    | -   | 3    | 5   | TO-3P TO-247                                 |             |  |         |

900V Planar Power MOSFET

| N-CH | P-CH | VDSS<br>(V) | VGSS<br>(±V) | ID<br>(A) | RDS(ON) (mΩ) at VGS = |       |   |      |     |   |      |     |   | VGS(th) (V) |                                              |  | Package |
|------|------|-------------|--------------|-----------|-----------------------|-------|---|------|-----|---|------|-----|---|-------------|----------------------------------------------|--|---------|
|      |      |             |              |           | 10V                   |       |   | 4.5V |     |   | 2.5V |     |   | 1.8V        |                                              |  |         |
|      |      |             |              |           | Typ                   | Max   |   | Typ  | Max |   | Typ  | Max |   | Typ         | Max                                          |  |         |
| 1N90 | -    | 900         | 30           | 1         | 10300                 | 16000 | - | -    | -   | - | -    | -   | 3 | 5           | TO-251 TO-252 TO-220F TO-220F1 TO-220 TO-262 |  |         |
| 2N90 | -    | 900         | 30           | 2.2       | 4900                  | 7200  | - | -    | -   | - | -    | -   | 3 | 5           | TO-251 TO-252 TO-220F TO-220F1 TO-220 TO-262 |  |         |
| 3N90 | -    | 900         | 30           | 3         | 4100                  | 4800  | - | -    | -   | - | -    | -   | 3 | 4.5         | TO-251 TO-252 TO-220F TO-220F1 TO-220 TO-262 |  |         |
| 4N90 | -    | 900         | 30           | 4         | 3300                  | 4200  | - | -    | -   | - | -    | -   | 3 | 5           | TO-220F TO-220F1 TO-220 TO-262 TO-262        |  |         |
| 5N90 | -    | 900         | 30           | 5         | 2250                  | 2800  | - | -    | -   | - | -    | -   | 3 | 5           | TO-220F1 TO-220 TO-262                       |  |         |
| 6N90 | -    | 900         | 30           | 6.2       | 1850                  | 2300  | - | -    | -   | - | -    | -   | 3 | 5           | TO-220F1 TO-220 TO-262                       |  |         |

|       |   |     |    |    |      |      |   |   |   |   |   |     |                               |
|-------|---|-----|----|----|------|------|---|---|---|---|---|-----|-------------------------------|
| 7N90  | - | 900 | 30 | 7  | 1500 | 1800 | - | - | - | - | 3 | 5   | TO-220F1 TO-220 TO-262        |
| 8N90  | - | 900 | 30 | 8  | 1300 | 1550 | - | - | - | - | 3 | 5   | TO-220F1 TO-220 TO-262        |
| 9N90  | - | 900 | 30 | 9  | 1050 | 1400 | - | - | - | - | 3 | 5   | TO-3P TO-247 TO-220F TO-220F1 |
| 10N90 |   | 900 | 30 | 10 | 1100 | 1200 |   |   |   |   | 2 | 3.5 | TO-220 TO-220F1               |
| 11N90 |   | 900 | 30 | 11 | 910  | 1100 |   |   |   |   | 3 | 5   | TO-220 TO-220F1               |
| 12N90 |   | 900 | 30 | 12 | 800  | 900  |   |   |   |   | 3 | 5   | TO-220 TO-220F1               |

20V Trench Combo Power MOSFET

| N-CH    | P-CH   | VDSS<br>(V) | VGSS<br>(±V) | ID<br>(A) | RDS(ON) (mΩ) at VGS = |     |      |     |      |     |      |     | VGS(th) (V) |               |  | Package |
|---------|--------|-------------|--------------|-----------|-----------------------|-----|------|-----|------|-----|------|-----|-------------|---------------|--|---------|
|         |        |             |              |           | 10V                   |     | 4.5V |     | 2.5V |     | 1.8V |     | Min         | Max           |  |         |
|         |        |             |              |           | Typ                   | Max | Typ  | Max | Typ  | Max | Typ  | Max |             |               |  |         |
| D4P20   | Dual P | 20          | 16           | 4         | 70                    | 80  | 85   | 100 | -    | -   | -    | 1   | 2.5         | SOP-8         |  |         |
| D9926   | Dual N | 20          | 10           | 6         | -                     | -   | 28   | 32  | 38   | 45  | -    | 0.5 | 1.5         | SOP-8 TSSOP-8 |  |         |
| D4502G* | N      | 20          | 12           | 8.3       | -                     | 16  | -    | 18  | -    | 30  | -    | 0.5 | 1.2         | SOP-8         |  |         |
|         | P      | 20          | 12           | 5         | -                     | 40  | -    | 45  | -    | 80  | -    | 0.5 | 1.2         | SOP-8         |  |         |
| T6898   | Dual N | 20          | 12           | 9.4       | -                     | -   | 10   | 14  | 13   | 18  | -    | 0.5 | 1.5         | SOP-8         |  |         |

30V Trench Combo Power MOSFET

| N-CH    | P-CH   | VDSS<br>(V) | VGSS<br>(±V) | ID<br>(A) | RDS(ON) (mΩ) at VGS = |     |      |     |      |     |      |     | VGS(th) (V) |             | Package |
|---------|--------|-------------|--------------|-----------|-----------------------|-----|------|-----|------|-----|------|-----|-------------|-------------|---------|
|         |        |             |              |           | 10V                   |     | 4.5V |     | 2.5V |     | 1.8V |     | Min         | Max         |         |
|         |        |             |              |           | Typ                   | Max | Typ  | Max | Typ  | Max | Typ  | Max |             |             |         |
| SSM4953 | Dual P | 30          | 25           | 4.9       | 53                    | 60  | 80   | 95  | -    | -   | -    | 1   | 2           | SOP-8       |         |
| SI4957  | Dual P | 30          | 20           | 7.7       | 20                    | 24  | 30   | 36  | -    | -   | -    | 1   | 3           | SOP-8       |         |
| SI7317  | Dual N | 30          | 20           | 6         | 21                    | 28  | 27   | 42  | -    | -   | -    | 1   | 2           | SOP-8       |         |
| SI4812  | Dual N | 30          | 20           | 6.9       | 22.5                  | 28  | 34.5 | 42  | -    | -   | -    | 1   | 3           | SOP-8       |         |
| SI4812Z | Dual N | 30          | 20           | 6.9       | 22.5                  | 28  | 34.5 | 42  | -    | -   | -    | 1   | 3           | SOP-8       |         |
| SI4822  | Dual N | 30          | 20           | 8.5       | 13.4                  | 16  | 21   | 26  | -    | -   | -    | 1   | 3           | SOP-8       |         |
| SI4232  | Dual N | 30          | 20           | 7.8       | -                     | 22  | -    | 32  | -    | -   | -    | 1   | 3           | SOP-8       |         |
| D4501*  | N      | 30          | 20           | 9.3       | 14                    | 18  | 17   | 23  | -    | -   | -    | 1   | 3           | SOP-8       |         |
|         | P      | 20          | 8            | 5.6       | -                     | -   | 36   | 46  | 47   | 63  | -    | 0.4 | 1.5         | SOP-8       |         |
| D4606   | N      | 30          | 20           |           | 22.5                  | 28  | 34.5 | 42  | -    | -   | -    | 1   | 3           | SOP-8 DIP-8 |         |
|         | P      | 30          | 20           | 6         | 28                    | 35  | 44   | 58  | -    | -   | -    | 1.2 | 2.4         |             |         |



| Part No.      | Vds  | Vgs  | Rds(on) /<br>Max(mΩ)<br>Vgs@10V | Rds(on) /<br>Max(mΩ)<br>Vgs@4.5V | Rds(on) /<br>Max(mΩ)<br>Vgs@2.5V | Rds(on) /<br>Max(mΩ)<br>Vgs@1.8V | Qg (nC) | Qgs (nC) | Qgd (nC) | Id(A) | Pd(W) | Configuration | Package     |
|---------------|------|------|---------------------------------|----------------------------------|----------------------------------|----------------------------------|---------|----------|----------|-------|-------|---------------|-------------|
| EL0203GMT-HF  | 30V  | ±20V | 2.2                             | 3.6                              |                                  |                                  | 38      | 7        | 22       | 155   | 5     | Single N      | PMPAK 5x6   |
| EL0403GH      | 30V  | ±20V | 4.5                             | 6.5                              |                                  |                                  | 16.5    | 3        | 9.6      | 75    | 44.6  | Single N      | TO-252      |
| EL0403GM      | 30V  | ±20V | 4.5                             | 6                                |                                  |                                  | 13      | 3        | 6        | 18.7  | 2.5   | Single N      | SO-8        |
| EL0503GMT-HF  | 30V  | ±20V | 5.5                             | 10.5                             |                                  |                                  | 9.2     | 2.5      | 5.7      | 70    | 5     | Single N      | PMPAK 5x6   |
| EL0603GH-HF   | 30V  | ±20V | 6                               | 11                               |                                  |                                  | 10      | 3        | 6        | 72    | 50    | Single N      | TO-252      |
| EL0603GM      | 30V  | ±20V | 6                               | 11                               |                                  |                                  | 9       | 3        | 4        | 16.3  | 2.5   | Single N      | SO-8        |
| EL0803GMT-HF  | 30V  | ±20V | 8.5                             | 13                               |                                  |                                  | 5.1     | 1.5      | 3.1      | 50    | 5     | Single N      | PMPAK 5x6   |
| EL0903GH-HF   | 30V  | ±20V | 9                               | 14.5                             |                                  |                                  | 6.5     | 1.8      | 3.7      | 51    | 39    | Single N      | TO-252      |
| EL0903GM-HF   | 30V  | ±20V | 8.5                             | 14                               |                                  |                                  | 6.5     | 1.8      | 3.2      | 13.3  | 2.5   | Single N      | SO-8        |
| EL0903GYT-HF  | 30V  | ±20V | 9                               | 16                               |                                  |                                  | 8.7     | 1.7      | 5        | 16    | 3.5   | Single N      | PMPAK 3x3   |
| EL1002BMX     | 30V  | ±20V | 1.8                             | 3                                |                                  |                                  | 29      | 6.5      | 14       | 32    | 2.8   | Single N      | GreenFET-MX |
| EL1003BST     | 30V  | ±20V | 4.5                             | 7.5                              |                                  |                                  | 12      | 3        | 6        | 17.3  | 2.2   | Single N      | GreenFET-MX |
| EL1004CMX     | 30V  | ±20V | 1.8                             | 3.2                              |                                  |                                  | 31.5    | 5.3      | 15.3     | 32    | 2.8   | Single N      | GreenFET-MX |
| EL1005BSQ     | 30V  | ±20V | 3.8                             | 7.5                              |                                  |                                  | 16.6    | 3        | 9.2      | 19    | 2.2   | Single N      | GreenFET-SQ |
| EL1203AGMT-HF | 30V  | ±20V | 12                              | 22                               |                                  |                                  | 6       | 1.7      | 3.6      | 37    | 27.8  | Single N      | PMPAK 5x6   |
| EL1203GH      | 30V  | ±20V | 12                              | 22                               |                                  |                                  | 6.7     | 1.8      | 4.3      | 37    | 27.8  | Single N      | TO-252      |
| EL1203GM      | 30V  | ±20V | 12                              | 23                               |                                  |                                  | 6       | 1.7      | 3.4      | 11.2  | 2.5   | Single N      | SO-8        |
| EL15N03GH     | 30V  | ±20V | 80                              | 100                              |                                  |                                  | 4.6     | 1.1      | 3        | 15    | 26    | Single N      | TO-252      |
| EL15N03GI     | 30V  | ±20V | 80                              | 100                              |                                  |                                  | 5       | 1        | 3        | 15    | 20.8  | Dual N        | TO-220CFM   |
| EL15N03GJ     | 30V  | ±20V | 80                              | 100                              |                                  |                                  | 4.6     | 1.1      | 3        | 15    | 26    | Single N      | TO-251      |
| EL1R803GMT-HF | 30V  | ±20V | 1.9                             | 3.8                              |                                  |                                  | 24      | 5.3      | 13.5     | 170   | 5     | Single N      | PMPAK 5x6   |
| EL20P02GH     | -20V | ±12V |                                 | 52                               | 85                               |                                  | 13.5    | 2.1      | 1.6      | -18   | 31.25 | Single P      | TO-252      |
| EL20P02GJ     | -20V | ±12V |                                 | 52                               | 85                               |                                  | 13.5    | 2.1      | 1.6      | -18   | 31.25 | Single P      | TO-251      |
| EL20T03GH     | 30V  | ±20V | 50                              | 80                               |                                  |                                  | 4       | 1.5      | 2.3      | 12.5  | 12.5  | Single N      | TO-252      |
| EL20T03GJ     | 30V  | ±20V | 50                              | 80                               |                                  |                                  | 4       | 1.5      | 2.3      | 12.5  | 12.5  | Single N      | TO-251      |
| EL22T03GH-HF  | 30V  | ±20V | 33                              | 60                               |                                  |                                  | 4       | 1.3      | 2.3      | 15.6  | 2     | Single N      | TO-252      |
| EL2301AGN     | -20V | ±8V  |                                 | 97                               | 130                              |                                  | 12.5    | 1.5      | 3.5      | -3.3  | 1.38  | Single P      | SOT-23      |
| EL2301BGN-HF  | -20V | ±8V  |                                 | 130                              | 190                              |                                  | 7.5     | 1        | 3        | -2.8  | 1.38  | Single P      | SOT-23      |
| EL2301GN      | -20V | ±12V |                                 | 130                              | 190                              |                                  | 5       | 1        | 2        | -2.6  | 1.38  | Single P      | SOT-23      |
| EL2301GN-HF   | -20V | ±12V |                                 | 130                              | 190                              |                                  | 5       | 1        | 2        | -2.6  | 1.38  | Single P      | SOT-23      |
| EL2302AGN-HF  | 20V  | ±8V  |                                 | 42                               | 60                               |                                  | 6.5     | 1        | 2.5      | 4.6   | 1.38  | Single N      | SOT-23      |
| EL2302GN      | 20V  | ±12V |                                 | 85                               | 115                              |                                  | 4.4     | 0.6      | 1.9      | 3.2   | 1.38  | Single N      | SOT-23      |

|              |      |      |      |      |      |     |  |     |     |     |       |       |                   |        |
|--------------|------|------|------|------|------|-----|--|-----|-----|-----|-------|-------|-------------------|--------|
| EL2302GN-HF  | 20V  | ±12V |      | 85   | 115  |     |  | 4.4 | 0.6 | 1.9 | 3.2   | 1.38  | Single N          | SOT-23 |
| EL2303GN     | -30V | ±20V | 240  | 460  |      |     |  | 6.2 | 1.4 | 0.3 | -1.9  | 1.38  | Single P          | SOT-23 |
| EL2304AGN-HF | 30V  | ±20V | 117  | 190  |      |     |  | 3   | 0.8 | 1.8 | 2.5   | 1.38  | Single N          | SOT-23 |
| EL2304GN-HF  | 30V  | ±25V | 80   | 140  |      |     |  | 3   | 1   | 1.5 | 3.4   | 1.38  | Single N          | SOT-23 |
| EL2305AGN    | -30V | ±12V | 60   | 80   | 150  |     |  | 10  | 1.8 | 3.6 | -3.2  | 1.38  | Single P          | SOT-23 |
| EL2305AGN-HF | -30V | ±12V | 60   | 80   | 150  |     |  | 10  | 1.8 | 3.6 | -3.2  | 1.38  | Single P          | SOT-23 |
| EL2305BGN-HF | -20V | ±12V | 53   | 65   | 100  |     |  | 13  | 1.4 | 4   | -4.2  | 1.38  | Single P          | SOT-23 |
| EL2305GN-HF  | -20V | ±12V | 53   | 65   | 100  |     |  | 13  | 1.4 | 4   | -4.2  | 1.38  | Single P          | SOT-23 |
| EL2306AGEN   | 30V  | ±6V  |      | 50   | 72   |     |  | 8.7 | 1.3 | 3.5 | 4.1   | 1.38  | Single N          | SOT-23 |
| EL2306CGN-HF | 20V  | ±12V |      | 30   | 45   |     |  | 11  | 1.2 | 44  | 5.5   | 1.38  | Single N          | SOT-23 |
| EL2306GN     | 20V  | ±12V | 30   | 35   | 50   |     |  | 8.7 | 1.5 | 3.6 | 5.3   | 1.38  | Single N          | SOT-23 |
| EL2306GN-HF  | 20V  | ±12V | 30   | 35   | 50   |     |  | 8.7 | 1.5 | 3.6 | 5.3   | 1.38  | Single N          | SOT-23 |
| EL2307GN-HF  | -16V | ±8V  |      | 60   | 70   | 90  |  | 15  | 1.3 | 4   | -4    | 1.38  | Single P          | SOT-23 |
| EL2308GEN    | 20V  | ±8V  |      | 600  | 2000 |     |  | 1.2 | 0.4 | 0.3 | 1.2   | 0.69  | Single N          | SOT-23 |
| EL15T03GJ    | 30V  | ±12V | 80   | 100  |      |     |  | 4   | 1.4 | 2.4 | 12    | 12.5  | Single N          | TO-251 |
| EL1801GU     | -20V | ±12V | 52   | 70   | 100  |     |  | 11  | 2   | 4   | -4    | 1.6   | Single P          | Aug-21 |
| EL1802GU     | 20V  | ±12V | 27   | 32   | 50   |     |  | 9   | 1.5 | 4   | 5.8   | 1.6   | Single N          | Aug-21 |
| EL2309AGN-HF | -30V | ±20V | 75   | 120  |      |     |  | 7   | 1.2 | 3.7 | -3.4  | 1.38  | Single P          | SOT-23 |
| EL2309GN     | -30V | ±20V | 75   | 120  |      |     |  | 5   | 1   | 3   | -3.7  | 1.38  | Single P          | SOT-23 |
| EL2312GN     | 20V  | ±12V | 36   | 50   | 75   |     |  | 5   | 1   | 2.3 | 4.3   | 1.38  | Single N          | SOT-23 |
| EL2313GN     | -20V | ±12V | 120  | 160  | 300  |     |  | 5   | 1   | 2   | -2.5  | 0.83  | Single P          | SOT-23 |
| EL2314GN-HF  | 20V  | ±12V |      | 75   | 125  |     |  | 4   | 0.7 | 2   | 3.5   | 0.83  | Single N          | SOT-23 |
| EL2315GEN    | -30V | ±16V | 1250 | 2400 |      |     |  | 1   | 0.6 | 0.4 | -0.84 | 0.69  | Single P          | SOT-23 |
| EL2316GN-HF  | 30V  | ±20V | 42   | 72   |      |     |  | 5   | 1   | 3   | 4.7   | 1.38  | Single N          | SOT-23 |
| EL2317GN-HF  | -20V | ±8V  |      | 52   | 65   | 90  |  | 13  | 1.8 | 4.7 | -4.2  | 1.38  | Single P          | SOT-23 |
| EL2318GEN    | 30V  | ±16V |      | 1500 | 2500 |     |  | 1.1 | 0.4 | 0.4 | 0.5   | 0.7   | Single N          | SOT-23 |
| EL2319GN-HF  | -30V | ±20V | 90   | 150  |      |     |  | 4.3 | 1   | 2   | -3.1  | 1.38  | Single P          | SOT-23 |
| EL2322GN     | 20V  | ±8V  |      | 90   | 120  | 150 |  | 7   | 0.7 | 2.5 | 2.5   | 0.833 | Single N          | SOT-23 |
| EL2324GN-HF  | 20V  | ±12V |      | 25   | 39   |     |  | 9   | 1.2 | 3.5 | 5.5   | 1.38  | Single N          | SOT-23 |
| EL2326GN-HF  | 30V  | ±20V | 42   | 60   |      |     |  | 4.3 | 1.1 | 2.4 | 4.7   | 1.38  | Single N          | SOT-23 |
| EL2328GN-HF  | 30V  | ±12V | 55   | 60   |      |     |  | 6   | 0.7 | 2.5 | 4     | 1.38  | Single N          | SOT-23 |
| EL2334GN-HF  | 30V  | ±20V | 28   | 42   |      |     |  | 6   | 2   | 3   | 5.6   | 1.38  | Single N          | SOT-23 |
| EL2422GY     | 30V  | ±12V | 32   | 40   | 60   |     |  | 8   | 1.3 | 4   | 4.8   | 1.39  | Dual N            | Aug-28 |
| EL2428GEY    | 30V  | ±10V |      | 27   | 36   |     |  | 11  | 1   | 4   | 5.9   | 1.39  | Dual N            | Aug-28 |
| EL2428GN3    | 30V  | ±10V |      | 27   | 33   |     |  | 11  | 1.2 | 3.8 | 5.5   | 1.25  | Dual N            | DFN3*3 |
| EL2451GY     | 20V  | ±12V | 32   | 37   | 55   |     |  | 9   | 1.5 | 4   | 5     | 1.38  | Complementary N-P | Aug-28 |

|              |      |      |     |     |     |    |     |      |      |      |      |      |                   |         |
|--------------|------|------|-----|-----|-----|----|-----|------|------|------|------|------|-------------------|---------|
| EL2451GY     | -20V | ±12V | 57  | 75  | 105 |    |     | 11   | 2    | 4    | -3.7 | 1.38 | Complementary N-P | Aug-28  |
| EL2530GY-HF  | 30V  | ±20V | 72  | 125 |     |    |     | 3    | 1    | 2    | 3.3  | 1.14 | Complementary N-P | SOT-26  |
| EL2530GY-HF  | -30V | ±20V | 150 | 280 |     |    |     | 3    | 1    | 2    | -2.3 | 1.14 | Complementary N-P | SOT-26  |
| EL2531GY     | 16V  | ±8V  |     | 58  | 70  |    | 85  | 7    | 0.6  | 2    | 3.5  | 1.14 | Complementary N-P | SOT-26  |
| EL2531GY     | -16V | ±8V  |     | 125 | 165 |    | 210 | 6    | 0.8  | 2    | -2.5 | 1.14 | Complementary N-P | SOT-26  |
| EL2532GY     | 30V  | ±20V | 130 | 250 |     |    |     | 2.7  | 0.9  | 1.2  | 2.4  | 1.14 | Complementary N-P | SOT-26  |
| EL2532GY     | -30V | ±20V | 250 | 400 |     |    |     | 2.5  | 1    | 1    | -1.8 | 1.14 | Complementary N-P | SOT-26  |
| EL2533GY-HF  | 16V  | ±8V  | 150 | 230 | 450 |    |     | 6.5  | 0.5  | 1.5  | 2.2  | 1.14 | Complementary N-P | OT-26   |
| EL2533GY-HF  | -16V | ±8V  | 320 | 550 | 900 |    |     | 5.5  | 0.5  | 1.5  | -1.5 | 1.14 | Complementary N-P | SOT-26  |
| EL25T03GJ    | 30V  | ±20V | 35  | 55  |     |    |     | 6    | 2    | 4    | 20   | 20.8 | Single N          | TO-251  |
| EL2602GY     | 20V  | ±12V | 30  | 34  | 50  |    |     | 8.7  | 1.5  | 3.6  | 6.3  | 2    | Single N          | SOT-26  |
| EL2603GY     | -20V | ±12V | 53  | 65  | 120 |    |     | 10.6 | 2.32 | 3.68 | -5   | 2    | Single P          | SOT-26  |
| EL2604GY     | 30V  | ±20V | 45  | 65  |     |    |     | 6    | 2    | 3    | 5.5  | 2    | Single N          | SOT-26  |
| EL2605GY     | -30V | ±20V | 80  | 120 |     |    |     | 5.5  | 1    | 2.6  | -4   | 2    | Single P          | SOT-26  |
| EL2606AGY-HF | 30V  | ±20V | 28  | 42  |     |    |     | 6    | 2    | 3    | 7    | 2    | Single N          | SOT-26  |
| EL2606GY-HF  | 30V  | ±20V | 28  | 42  |     |    |     | 8.2  | 1.4  | 5    | 7    | 2    | Single N          | SOT-26  |
| EL2607AGY-HF | -20V | ±8V  |     | 52  | 65  | 90 |     | 13   | 2.1  | 5    | -5   | 2    | Single P          | SOT-26  |
| EL2607GY-HF  | -20V | ±8V  |     | 52  | 65  | 90 |     | 13   | 2.1  | 5    | -5   | 2    | Single P          | SOT-26  |
| EL2623GY     | -30V | ±20V | 170 | 280 |     |    |     | 2.8  | 0.5  | 1.4  | -2   | 1.2  | Dual P            | SOT-26  |
| EL2625GY     | -30V | ±12V |     | 185 | 265 |    |     | 4    | 0.5  | 2    | -2   | 1.2  | Dual P            | SOT-26  |
| EL2626GY     | 30V  | ±20V | 72  | 120 |     |    |     | 3.2  | 0.9  | 1.7  | 3.3  | 1.2  | Dual N            | SOT-26  |
| EL2732GK     | 30V  | ±20V | 26  | 40  |     |    |     | 9    | 2    | 5    | 8.6  | 2.7  | Single N          | SOT-223 |
| EL25T03GJ    | 30V  | ±20V | 35  | 55  |     |    |     | 6    | 2    | 4    | 20   | 20.8 | Single N          | TO-251  |
| EL2851GO     | 30V  | ±20V | 40  | 60  |     |    |     | 6    | 2    | 4    | 5    | 1.38 | Complementary N-P | TSSOP-8 |
| EL2851GO     | -30V | ±20V | 80  | 120 |     |    |     | 5    | 0.8  | 3    | -3.3 | 1.38 | Complementary N-P | TSSOP-8 |
| EL2852GO     | 30V  | ±20V | 32  | 48  |     |    |     | 8    | 3    | 5    | 5.5  | 1.38 | Complementary N-P | TSSOP-8 |
| EL2852GO     | -30V | ±20V | 50  | 75  |     |    |     | 9    | 2    | 5    | -4.4 | 1.38 | Complementary N-P | TSSOP-8 |
| EL2R803GH    | 30V  | ±20V | 2.8 | 4.8 |     |    |     | 28   | 5.3  | 16   | 75   | 104  | Single N          | TO-252  |
| EL30T03GH-HF | 30V  | ±20V | 30  | 50  |     |    |     | 4.5  | 1.2  | 2.9  | 17   | 2    | Single N          | TO-252  |
| EL3310GH     | -20V | ±12V |     | 150 | 250 |    |     | 6    | 1.5  | 0.6  | -10  | 25   | Single P          | TO-252  |
| EL3310GH-HF  | -20V | ±12V |     | 150 | 250 |    |     | 6    | 1.5  | 0.6  | -10  | 25   | Single P          | TO-252  |
| EL3310GJ     | -20V | ±12V |     | 150 | 250 |    |     | 6    | 1.5  | 0.6  | -10  | 25   | Single P          | TO-251  |
| EL3310GJ-HF  | -20V | ±12V |     | 150 | 250 |    |     | 6    | 1.5  | 0.6  | -10  | 25   | Single P          | TO-251  |
| EL3403GH     | -30V | ±20V | 200 | 400 |     |    |     | 3.8  | 1.7  | 1.6  | -10  | 36.7 | Single P          | TO-252  |
| EL3403GJ     | -30V | ±20V | 200 | 400 |     |    |     | 3.8  | 1.7  | 1.6  | -10  | 36.7 | Single P          | TO-251  |
| EL3405GH-HF  | -30V | ±20V | 90  | 130 |     |    |     | 4.6  | 1.1  | 2.7  | -8.6 | 2    | Single P          | TO-252  |

|               |      |      |      |     |    |  |      |     |      |       |       |     |          |           |
|---------------|------|------|------|-----|----|--|------|-----|------|-------|-------|-----|----------|-----------|
| EL3801GM      | -30V | ±20V | 70   | 105 |    |  |      | 6   | 1.3  | 3     | -5    | 2.5 | Single P | SO-8      |
| EL3R303GMT-HF | 30V  | ±20V | 3.3  | 5   |    |  | 13.3 | 2.5 | 7.2  | 105   | 56.8  |     | Single N | PMPAK 5x6 |
| EL40N03GH-HF  | 30V  | ±20V | 21   | 30  |    |  | 17   | 3   | 10   | 36    | 50    |     | Single N | TO-252    |
| EL40N03GJ-HF  | 30V  | ±20V | 21   | 30  |    |  | 17   | 3   | 10   | 36    | 50    |     | Single N | TO-251    |
| EL40N03GP     | 30V  | ±20V | 17   | 23  |    |  | 17   | 3   | 10   | 40    | 50    |     | Single N | TO-220    |
| EL40N03GS     | 30V  | ±20V | 17   | 23  |    |  | 17   | 3   | 10   | 40    | 50    |     | Single N | TO-263    |
| EL40P03GH     | -30V | ±20V | 28   | 50  |    |  | 14   | 3   | 9    | -30   | 31.3  |     | Single P | TO-252    |
| EL40P03GI     | -30V | ±20V | 28   | 50  |    |  | 15   | 3   | 10   | -30   | 31.3  |     | Single P | TO-220CFM |
| EL40P03GJ     | -30V | ±20V | 28   | 50  |    |  | 14   | 3   | 9    | -30   | 31.3  |     | Single P | TO-251    |
| EL40P03GP     | -30V | ±20V | 28   | 50  |    |  | 14   | 3   | 9    | -30   | 31.3  |     | Single P | TO-220    |
| EL40T03GH     | 30V  | ±25V | 25   | 45  |    |  | 8.8  | 2.5 | 5.8  | 28    | 31.25 |     | Single N | TO-252    |
| EL40T03GI     | 30V  | ±25V | 25   | 45  |    |  | 9    | 2   | 6    | 28    | 25    |     | Single N | TO-220CFM |
| EL40T03GJ     | 30V  | ±25V | 25   | 45  |    |  | 8.8  | 2.5 | 5.8  | 28    | 31.25 |     | Single N | TO-251    |
| EL40T03GP     | 30V  | ±25V | 25   | 45  |    |  | 8.8  | 2.5 | 5.8  | 28    | 31.25 |     | Single N | TO-220    |
| EL4232GM      | 30V  | ±20V | 22   | 32  |    |  | 13   | 3   | 9    | 7.8   | 2     |     | Dual N   | SO-8      |
| EL4232BGM-HF  | 30V  | ±20V | 22   | 32  |    |  | 6    | 1.3 | 3.4  | 7.6   | 2     |     | Dual N   | SO-8      |
| EL4232AGM     | 30V  | ±20V | 23   | 35  |    |  | 10   | 2   | 5.6  | 7.8   | 2     |     | Dual N   | SO-8      |
| EL4230GM-HF   | 30V  | ±20V | 25   | 45  |    |  | 4.2  | 1.1 | 2.5  | 7     | 2     |     | Dual N   | SO-8      |
| EL4228GM      | 30V  | ±20V | 26   | 40  |    |  | 7.7  | 1.4 | 4.1  | 6.8   | 2     |     | Dual N   | SO-8      |
| EL4226GM      | 30V  | ±20V | 18   | 28  |    |  | 20   | 5   | 12   | 8.2   | 2     |     | Dual N   | SO-8      |
| EL4226AGM     | 30V  | ±20V | 18   | 24  |    |  | 10   | 2.3 | 5    | 8.7   | 2     |     | Dual N   | SO-8      |
| EL4224GM      | 30V  | ±20V | 14   | 20  |    |  | 23   | 6   | 14   | 10    | 2     |     | Dual N   | SO-8      |
| EL4224AGM     | 30V  | ±20V | 15   | 23  |    |  | 8.5  | 1.8 | 5    | 9.2   | 2     |     | Dual N   | SO-8      |
| EL40U03GH     | 30V  | ±20V | 25   | 40  |    |  | 8    | 1.5 | 5    | 20    | 15    |     | Single N | TO-252    |
| EL40T03GS     | 30V  | ±25V | 25   | 45  |    |  | 8.8  | 2.5 | 5.8  | 28    | 31.25 |     | Single N | TO-263    |
| EL4413GM      | -20V | ±20V | 30   | 40  | 65 |  | 17   | 4   | 7    | -7.8  | 2.5   |     | Single P | SO-8      |
| EL4412GM      | 25V  | ±20V | 33   | 60  |    |  | 7    | 1.5 | 5    | 7     | 2.5   |     | Single N | SO-8      |
| EL4411GM      | -30V | ±25V | 25   | 40  |    |  | 14   | 1.7 | 10.5 | -8.2  | 2.5   |     | Single P | SO-8      |
| EL4410GM      | 30V  | ±25V | 13.5 | 22  |    |  | 13.5 | 4   | 7    | 10    | 2.5   |     | Single N | SO-8      |
| EL4410AGM     | 30V  | ±20V | 13.5 | 20  |    |  | 12   | 2   | 7    | 10    | 2.5   |     | Single N | SO-8      |
| EL4407S       | -30V | ±25V | 14   | 23  |    |  | 35   | 5   | 26   | -50   | 54    |     | Single P | TO-263    |
| EL44071-HF    | -30V | ±25V | 14   | 23  |    |  | 35   | 5   | 26   | -40   | 33.6  |     | Single P | TO-220CFM |
| EL4407GS      | -30V | ±25V | 14   | 23  |    |  | 35   | 5   | 26   | -50   | 54    |     | Single P | TO-263    |
| EL4407GP      | -30V | ±25V | 14   | 23  |    |  | 35   | 5   | 26   | -50   | 54    |     | Single P | TO-220    |
| EL4407GM-HF   | -30V | ±25V | 14   | 25  |    |  | 28   | 5.2 | 19.8 | -10.7 | 2.5   |     | Single P | SO-8      |
| EL4405GM      | -30V | ±20V | 8.2  | 15  |    |  | 44   | 7   | 28   | -14   | 2.5   |     | Single P | SO-8      |

|              |      |      |      |      |    |    |  |      |     |     |     |       |      |                   |           |
|--------------|------|------|------|------|----|----|--|------|-----|-----|-----|-------|------|-------------------|-----------|
| EL42T03GP    | 30V  | ±20V | 22   | 35   |    |    |  |      | 8   | 2.5 | 4.5 | 30    | 37.8 | Single N          | TO-220    |
| EL4232GM-HF  | 30V  | ±20V | 22   | 32   |    |    |  | 13   | 3   | 3   | 9   | 7.8   | 2    | Dual N            | SO-8      |
| EL4424GM     | 30V  | ±25V | 9    | 14   |    |    |  | 23   | 6   | 6   | 15  | 13.8  | 2.5  | Single N          | SO-8      |
| EL4424AGM    | 30V  | ±20V | 9    | 18   |    |    |  | 8.4  | 1.8 | 3   | 5   | 13    | 2.5  | Single N          | SO-8      |
| EL4423GM-HF  | -30V | ±25V | 15   | 25   |    |    |  | 27   | 3   | 3   | 20  | -11   | 2.5  | Single P          | SO-8      |
| EL4425GO     | -20V | ±8V  |      | 42   | 52 | 70 |  | 21   | 6   | 6   | 4.4 | -4.2  | 1    | Single P          | TSSOP-8   |
| EL4426GM     | 30V  | ±20V | 6.5  | 10   |    |    |  | 28   | 5   | 5   | 16  | 16    | 2.5  | Single N          | SO-8      |
| EL4428GM     | 30V  | ±20V | 6    | 10   |    |    |  | 34   | 7.1 | 20  | 20  | 16    | 2.5  | Single N          | SO-8      |
| EL4430GEM    | 30V  | ±12V | 4    | 5    | 8  |    |  | 63   | 6   | 26  | 26  | 20    | 2.5  | Single N          | SO-8      |
| EL4432GM     | 30V  | ±20V | 15   | 28   |    |    |  | 12.5 | 2.8 | 8   | 8   | 10    | 2.5  | Single N          | SO-8      |
| EL4434GM     | 20V  | ±12V |      | 18.5 | 25 |    |  | 17   | 1.7 | 5.8 | 5.8 | 8.3   | 2    | Single N          | SO-8      |
| EL4435GH     | -30V | ±20V | 20   | 36   |    |    |  | 20   | 4   | 15  | 15  | -40   | 44.6 | Single P          | TO-252    |
| EL4435GH-HF  | -30V | ±20V | 20   | 36   |    |    |  | 16.5 | 2.7 | 11  | 11  | -40   | 44.6 | Single P          | TO-252    |
| EL4435GJ     | -30V | ±20V | 20   | 36   |    |    |  | 20   | 4   | 15  | 15  | -40   | 44.6 | Single P          | TO-251    |
| EL4435GJ-HF  | -30V | ±20V | 20   | 36   |    |    |  | 16.5 | 2.7 | 11  | 11  | -40   | 44.6 | Single P          | TO-251    |
| EL4435GM-HF  | -30V | ±20V | 20   | 32   |    |    |  | 18   | 3   | 10  | 10  | -9    | 2.5  | Single P          | SO-8      |
| EL4425GO     | -20V | ±8V  |      | 42   | 52 | 70 |  | 21   | 6   | 4.4 | 4.4 | -4.2  | 1    | Single P          | TSSOP-8   |
| EL4428GM     | 30V  | ±20V | 6    | 10   |    |    |  | 34   | 7.1 | 20  | 20  | 16    | 2.5  | Single N          | SO-8      |
| EL4435GYT-HF | -30V | ±20V | 21   | 40   |    |    |  | 15   | 3   | 8   | 8   | -11   | 3.57 | Single P          | PMPAK 3x3 |
| EL4436GM     | 20V  | ±12V |      | 32   | 48 |    |  | 10   | 1.3 | 4.2 | 4.2 | 6.4   | 2    | Single N          | SO-8      |
| EL4437GM-HF  | -30V | ±20V | 16   | 36   |    |    |  | 20   | 5   | 12  | 12  | -10.4 | 2.5  | Single P          | SO-8      |
| EL4438GM-HF  | 30V  | ±20V | 11.5 | 20   |    |    |  | 7.5  | 2   | 4   | 4   | 11.8  | 2.5  | Single N          | SO-8      |
| EL4438GSM-HF | 30V  | ±12V | 11.5 | 18   |    |    |  | 10   | 2.5 | 5.5 | 5.5 | 11.7  | 2.5  | Single N          | SO-8      |
| EL4439GM-HF  | -30V | ±20V | 10   | 17   |    |    |  | 44   | 7   | 25  | 25  | -13.3 | 2.5  | Single P          | SO-8      |
| EL4500GM     | 20V  | ±12V |      | 30   | 45 |    |  | 10   | 1.1 | 4.1 | 4.1 | 6     | 2    | Complementary N-P | SO-8      |
| EL4500GM     | -20V | ±12V |      | 50   | 90 |    |  | 13   | 1.5 | 4.5 | 4.5 | -5    | 2    | Complementary N-P | SO-8      |
| EL4501AGM    | 30V  | ±20V | 28   | 42   |    |    |  | 8.4  | 1.4 | 4.7 | 4.7 | 7     | 2    | Complementary N-P | SO-8      |
| EL4501AGM    | -30V | ±20V | 50   | 90   |    |    |  | 8    | 1.7 | 4.5 | 4.5 | -5.3  | 2    | Complementary N-P | SO-8      |
| EL4501CGM-HF | 30V  | ±20V | 25   | 45   |    |    |  | 4.6  | 1.2 | 3   | 3   | 7     | 2    | Complementary N-P | SO-8      |
| EL4501CGM-HF | -30V | ±20V | 80   | 120  |    |    |  | 5    | 1   | 3   | 3   | -4    | 2    | Complementary N-P | SO-8      |
| EL4501GD     | 30V  | ±20V | 28   | 42   |    |    |  | 9    | 2   | 5   | 5   | 7     | 2    | Complementary N-P | PDIP-8    |
| EL4501GD     | -30V | ±20V | 50   | 90   |    |    |  | 9    | 2   | 5   | 5   | -5.3  | 2    | Complementary N-P | PDIP-8    |
| EL4501GM     | 30V  | ±20V | 28   | 42   |    |    |  | 8.4  | 1.4 | 4.7 | 4.7 | 7     | 2    | Complementary N-P | SO-8      |
| EL4501GM     | -30V | ±20V | 50   | 90   |    |    |  | 8    | 1.7 | 4.5 | 4.5 | -5.3  | 2    | Complementary N-P | SO-8      |
| EL4501GSD    | 30V  | ±20V | 27   | 50   |    |    |  | 8.4  | 2.1 | 4.7 | 4.7 | 7     | 2    | Complementary N-P | PDIP-8    |
| EL4501GSD    | -30V | ±20V | 49   | 75   |    |    |  | 9    | 3.5 | 2   | 2   | -5    | 2    | Complementary N-P | PDIP-8    |



|              |      |      |      |    |     |  |  |      |     |      |      |      |                   |           |
|--------------|------|------|------|----|-----|--|--|------|-----|------|------|------|-------------------|-----------|
| EL4502AGM-HF | 20V  | ±12V |      | 18 | 30  |  |  | 8    | 1   | 4    | 8.5  | 2    | Complementary N-P | SO-8      |
| EL4502AGM-HF | -20V | ±12V |      | 50 | 80  |  |  | 13   | 1.5 | 4.5  | -5   | 2    | Complementary N-P | SO-8      |
| EL4502GM     | 20V  | ±12V | 16   | 18 | 30  |  |  | 22   | 3   | 9    | 8.3  | 2    | Complementary N-P | SO-8      |
| EL4502GM     | -20V | ±12V | 40   | 45 | 80  |  |  | 13   | 1.5 | 4.5  | -5   | 2    | Complementary N-P | SO-8      |
| EL4503AGM-HF | 30V  | ±20V | 28   | 42 |     |  |  | 8.4  | 1.4 | 4.7  | 6.9  | 2    | Complementary N-P | SO-8      |
| EL4503AGM-HF | -30V | ±20V | 36   | 55 |     |  |  | 12.4 | 2   | 7    | -6.3 | 2    | Complementary N-P | SO-8      |
| EL4503BGM-HF | 30V  | ±20V | 18   | 35 |     |  |  | 7    | 2   | 4    | 8.4  | 2    | Complementary N-P | SO-8      |
| EL4503BGM-HF | 30V  | ±20V | 26   | 42 |     |  |  | 11.5 | 2.2 | 10.5 | -7.2 | 2    | Complementary N-P | SO-8      |
| EL4506GEH    | 30V  | ±20V | 24   | 32 |     |  |  | 8.3  | 1.5 | 4    | 9    | 3.1  | Complementary N-P | TO-252-4L |
| EL4506GEH    | -30V | ±20V | 36   | 48 |     |  |  | 12.6 | 2.4 | 6.2  | -8   | 3.1  | Complementary N-P | TO-252-4L |
| EL4506GEM    | 30V  | ±20V | 30   | 36 |     |  |  | 8.3  | 1.5 | 4    | 6.4  | 2    | Complementary N-P | SO-8      |
| EL4506GEM    | -30V | ±20V | 40   | 52 |     |  |  | 12.6 | 2.4 | 6.2  | -6   | 2    | -6                | SO-8      |
| EL4506GEM-HF | 30V  | ±20V | 30   | 36 |     |  |  | 8.3  | 1.5 | 4    | 6.4  | 2    | Complementary N-P | SO-8      |
| EL4506GEM-HF | -30V | ±20V | 40   | 52 |     |  |  | 12.6 | 2.4 | 6.2  | -6   | 2    | Complementary N-P | SO-8      |
| EL4509AGH-HF | 30V  | ±20V | 10   | 16 |     |  |  | 15   | 3   | 10   | 14   | 3.13 | Complementary N-P | TO-252-4L |
| EL4509AGH-HF | -30V | ±20V | 23   | 35 |     |  |  | 17   | 3   | 10   | -9.5 | 3.13 | Complementary N-P | TO-252-4L |
| EL4509AGM-HF | 30V  | ±20V | 10   | 16 |     |  |  | 12   | 2.5 | 7.5  | 11.2 | 2    | Complementary N-P | SO-8      |
| EL4509AGM-HF | -30V | ±20V | 21   | 32 |     |  |  | 15   | 3   | 8    | -8   | 2    | Complementary N-P | SO-8      |
| EL4509GM     | 30V  | ±20V | ±20V | 14 | 20  |  |  | 23   | 6   | 14   | 10   | 2    | Complementary N-P | SO-8      |
| EL4509GM     | -30V | ±20V | 20   | 30 |     |  |  | 27   | 4   | 18   | -8.4 | 2    | Complementary N-P | SO-8      |
| EL4527GN3    | 20V  | ±12V |      | 35 | 52  |  |  | 9.5  | 1.2 | 4    | 4.7  | 1.25 | Complementary N-P | DFN3*3    |
| EL4527GN3    | -20V | ±12V |      | 65 | 100 |  |  | 10.7 | 1.8 | 4.7  | -3.3 | 1.25 | Complementary N-P | DFN3*3    |
| EL4532GM     | 30V  | ±20V | 50   | 70 |     |  |  | 10.2 | 1.2 | 3.4  | 5    | 2    | Complementary N-P | SO-8      |
| EL4532GM     | -30V | ±20V | 70   | 90 |     |  |  | 18.3 | 3.6 | 1.5  | -4   | 2    | Complementary N-P | SO-8      |
| EL4533GEM-HF | 30V  | ±20V | 18   | 36 |     |  |  | 6.5  | 2.5 | 3.3  | 8.4  | 2    | Complementary N-P | SO-8      |
| EL4533GEM-HF | -30V | ±20V | 36   | 65 |     |  |  | 9    | 2.5 | 5.5  | 6    | 2    | Complementary N-P | SO-8      |
| EL9510GM     | 30V  | ±20V | 28   | 40 |     |  |  | 10   | 2   | 6    | 6.9  | 2    | Complementary N-P | SO-8      |
| EL9510GM     | -30V | ±20V | 55   | 90 |     |  |  | 9    | 2   | 6    | 5.3  | 2    | Complementary N-P | SO-8      |
| EL9567GJ-HF  | -40V | ±25V | 50   | 70 |     |  |  | 11   | 3   | 6    | -22  | 34.7 | Single P          | TO-251    |
| EL9567GJ-HF  | -40V | ±25V | 50   | 70 |     |  |  | 11   | 3   | 6    | -22  | 34.7 | Single P          | TO-251    |
| EL9567GM     | -40V | ±25V | 50   | 80 |     |  |  | 11   | 3   | 5    | -6   | 2.5  | Single P          | SO-8      |
| EL4800GM     | 25V  | ±20V | 18   | 33 |     |  |  | 10.9 | 1.9 | 7.4  | 9    | 2.5  | Single N          | SO-8      |
| EL4880GEM    | 25V  | ±16V | 8.5  | 15 |     |  |  | 23   | 3.5 | 17   | 14   | 2.5  | Single N          | SO-8      |
| EL4880GM     | 25V  | ±20V | 8.5  | 15 |     |  |  | 22.5 | 3.3 | 15.4 | 13   | 2.5  | Single N          | SO-8      |
| EL4920GM-HF  | 25V  | ±20V | 25   | 35 |     |  |  | 10.5 | 1.9 | 7.5  | 7    | 2    | Dual N            | SO-8      |
| EL4924GM     | 20V  | ±12V |      | 35 | 50  |  |  | 9    | 1.8 | 4.2  | 6    | 2    | Dual N            | SO-8      |

|              |      |      |      |      |    |  |  |  |      |     |     |      |      |          |           |
|--------------|------|------|------|------|----|--|--|--|------|-----|-----|------|------|----------|-----------|
| EL4800AGM    | 30V  | ±25V | 18   | 28   |    |  |  |  | 11.4 | 2   | 6.4 | 9.6  | 2.5  | Single N | SO-8      |
| EL4800AGM-HF | 30V  | ±25V | 18   | 28   |    |  |  |  | 11.4 | 2   | 6.4 | 9.6  | 2.5  | Single N | SO-8      |
| EL4800BGM-HF | 30V  | ±20V | 18   | 35   |    |  |  |  | 7.5  | 1.5 | 4.5 | 9.6  | 2.5  | Single N | SO-8      |
| EL4800CGM-HF | 30V  | ±20V | 14   | 22   |    |  |  |  | 7.5  | 1.8 | 5   | 10.4 | 2.5W | Single N | SO-8      |
| EL4800DGM-HF | 30V  | ±20V | 18   | 30   |    |  |  |  | 9.6  | 1.3 | 3.5 | 9    | 2    | Single N | SO-8      |
| EL4800GYT-HF | 30V  | ±20V | 18   | 40   |    |  |  |  | 8    | 2   | 4.6 | 11.5 | 3.57 | Single N | PMPAK 3x3 |
| EL4810GSM    | 30V  | ±20V | 13.5 | 20   |    |  |  |  | 14   | 3.2 | 8.4 | 11   | 2.5  | Single N | SO-8      |
| EL4813GSM-HF | 30V  | ±20V | 9    | 15   |    |  |  |  | 11.5 | 2.5 | 7   | 13   | 2.5  | Single N | SO-8      |
| EL4816GSM    | 30V  | ±20V | 22   | 30   |    |  |  |  | 11   | 3   | 7   | 6.7  | 1.4  | Dual N   | SO-8      |
| EL4816GSM    | 30V  | ±20V | 13   | 18.5 |    |  |  |  | 20   | 5   | 12  | 11.5 | 2.4  | Dual N   | SO-8      |
| EL4820GYT-HF | 30V  | ±20V | 9    | 15   |    |  |  |  | 11   | 3   | 6   | 15   | 3.57 | Single N | PMPAK 3x3 |
| EL4835GM     | -30V | ±25V | 20   | 35   |    |  |  |  | 15   | 2.8 | 8   | -9.2 | 2.5  | Single P | SO-8      |
| EL4835GMT-HF | -30V | ±25V | 21   | 36   |    |  |  |  | 14   | 3   | 8.5 | -32  | 31.3 | Single P | PMPAK 5x6 |
| EL4880BGM-HF | 30V  | ±20V | 9    | 15   |    |  |  |  | 8.4  | 1.8 | 5   | 13   | 2.5  | Single N | SO-8      |
| EL9620AGM-HF | -20V | ±8V  |      | 21   | 35 |  |  |  | 26   | 3   | 9   | -9   | 2.5  | Single P | SO-8      |
| EL9620GM-HF  | -20V | ±8V  |      | 20   | 35 |  |  |  | 30   | 6   | 3.5 | -9.5 | 2.5  | Single P | SO-8      |
| EL9685GM     | 80V  | ±20V | 45   | 50   |    |  |  |  | 19   | 5   | 10  | 5.3  | 2.5  | Single N | SO-8      |
| EL96T07GP-HF | 75V  | ±20V | 4.2  |      |    |  |  |  | 92   | 16  | 48  | 180  | 300  | Single N | TO-220    |
| EL4936GM     | 25V  | ±20V | 37   | 60   |    |  |  |  | 6.9  | 1.2 | 4.5 | 5.8  | 2    | Dual N   | SO-8      |
| EL4953GM     | -30V | ±20V | 53   | 90   |    |  |  |  | 8    | 1.7 | 4.5 | -5   | 2    | Dual P   | SO-8      |
| EL4955GM     | -20V | ±12V |      | 45   | 65 |  |  |  | 19   | 3   | 6   | -5.6 | 2    | Dual P   | SO-8      |
| EL4957AGM    | -30V | ±20V | 26   | 36   |    |  |  |  | 16   | 2.8 | 9.3 | -7.4 | 2    | Dual P   | SO-8      |
| EL4957GM     | -30V | ±20V | 24   | 36   |    |  |  |  | 27   | 5   | 18  | -7.7 | 2    | Dual P   | SO-8      |
| EL4959GM     | -16V | ±8V  |      | 65   | 75 |  |  |  | 13   | 2   | 4   | -4.7 | 2    | Dual P   | SO-8      |
| EL4963GEM-HF | -30V | ±20V | 36   | 65   |    |  |  |  | 9    | 2.5 | 5.5 | -6   | 2    | Dual N   | SO-8      |
| EL50T03GJ    | 30V  | ±20V | 16   | 30   |    |  |  |  | 10   | 3.5 | 6   | 37   | 34.7 | Single N | TO-251    |
| EL60L02GJ    | 25V  | ±20V | 12   | 26   |    |  |  |  | 21   | 2.8 | 16  | 50   | 62.5 | Single N | TO-251    |
| EL60N03GH    | 30V  | ±20V | 13.5 | 20   |    |  |  |  | 22.4 | 2.7 | 14  | 55   | 62.5 | Single N | TO-252    |
| EL60N03GJ    | 30V  | ±20V | 13.5 | 20   |    |  |  |  | 22.4 | 2.7 | 14  | 55   | 62.5 | Single N | TO-251    |
| EL60N03GS    | 30V  | ±20V | 13.5 | 20   |    |  |  |  | 22.4 | 2.7 | 14  | 55   | 62.5 | Single N | TO-263    |
| EL60T03AH    | 30V  | ±20V | 12   | 25   |    |  |  |  | 11.6 | 3.9 | 7   | 45   | 44   | Single N | TO-252    |
| EL60T03AJ    | 30V  | ±20V | 12   | 25   |    |  |  |  | 11.6 | 3.9 | 7   | 45   | 44   | Single N | TO-251    |
| EL60T03AS    | 30V  | ±20V | 12   | 25   |    |  |  |  | 11.6 | 3.9 | 7   | 45   | 44   | Single N | TO-263    |
| EL60T03GH    | 30V  | ±20V | 12   | 25   |    |  |  |  | 12   | 4   | 7   | 45   | 44   | Single N | TO-252    |
| EL60T03GI    | 30V  | ±20V | 12   | 25   |    |  |  |  | 12   | 4   | 7   | 45   | 37.5 | Single N | TO-220CFM |
| EL60T03GJ    | 30V  | ±20V | 12   | 25   |    |  |  |  | 12   | 4   | 7   | 45   | 44   | Single N | TO-251    |

|              |      |      |      |      |    |  |  |      |     |      |       |      |                   |           |
|--------------|------|------|------|------|----|--|--|------|-----|------|-------|------|-------------------|-----------|
| EL60T03GP    | 30V  | ±20V | 12   | 25   |    |  |  | 11.6 | 3.9 | 7    | 45    | 44   | Single N          | TO-220    |
| EL60T03GS    | 30V  | ±20V | 12   | 25   |    |  |  | 11.6 | 3.9 | 7    | 45    | 44   | Single N          | TO-263    |
| EL60U02GH    | 25V  | ±20V | 12   | 20   |    |  |  | 15   | 3.5 | 9.5  | 40    | 25   | Single N          | TO-252    |
| EL60U03GH    | 30V  | ±20V | 12   | 24   |    |  |  | 13   | 2.2 | 9    | 40    | 25   | Single N          | TO-252    |
| EL62T02GJ    | 30V  | ±20V | 12   | 16   |    |  |  | 12   | 2.6 | 8    | 48    | 36.8 | Single N          | TO-251    |
| EL62T03GH    | 30V  | ±20V | 12   | 18   |    |  |  | 11.5 | 2   | 6.8  | 54    | 47   | Single N          | TO-252    |
| EL62T03GJ    | 30V  | ±20V | 12   | 18   |    |  |  | 11.5 | 2   | 6.8  | 54    | 47   | Single N          | TO-251    |
| EL6618GM-HF  | 30V  | ±20V | 30   | 50   |    |  |  | 8.4  | 2.1 | 4.7  | 7     | 2.5  | Single N          | SO-8      |
| EL6679BGM-HF | -30V | ±20V | 9    | 15   |    |  |  | 44   | 6.5 | 28.5 | -63   | 54.3 | Single P          | TO-252    |
| EL6679BGM-HF | -30V | ±20V | 9    | 15   |    |  |  | 44   | 7   | 28   | -13.5 | 2.5  | Single P          | SO-8      |
| EL6679BGP-HF | -30V | ±20V | 9    | 15   |    |  |  | 44   | 6.5 | 28.5 | -63   | 2    | Single P          | TO-220    |
| EL4537GYT-HF | 30V  | ±20V | 30   | 48   |    |  |  | 4.5  | 1   | 2.5  | 7.3   | 2.5  | Complementary N-P | PMPAK 3x3 |
| EL4537GYT-HF | -30V | ±20V | 60   | 80   |    |  |  | 7    | 1.5 | 3.5  | -5.3  | 2.5  | Complementary N-P | PMPAK 3x3 |
| EL6679GH     | -30V | ±25V | 9    | 15   |    |  |  | 42   | 6   | 25   | -75   | 89   | Single P          | TO-252    |
| EL6679GH-HF  | -30V | ±20V | 9    | 15   |    |  |  | 42   | 6   | 25   | -75   | 89   | Single P          | TO-252    |
| EL6679GI     | -30V | ±25V | 9    | 15   |    |  |  | 40   | 8   | 28   | -48   | 31.3 | Single P          | TO-220CFM |
| EL6679GI-HF  | -30V | ±25V | 9    | 15   |    |  |  | 40   | 8   | 28   | -48   | 31.3 | Single P          | TO-220CFM |
| EL6679GJ     | -30V | ±25V | 9    | 15   |    |  |  | 42   | 6   | 25   | -75   | 89   | Single P          | TO-251    |
| EL6679GJ-HF  | -30V | ±20V | 9    | 15   |    |  |  | 42   | 6   | 25   | -75   | 89   | Single P          | TO-251    |
| EL6679GM-HF  | -30V | ±25V | 9    | 13   |    |  |  | 37   | 3   | 25   | -14   | 2.5  | Single P          | SO-8      |
| EL6679GP     | -30V | ±25V | 9    | 15   |    |  |  | 42   | 6   | 25   | -75   | 89   | Single P          | TO-220    |
| EL6679GR     | -30V | ±25V | 9    | 15   |    |  |  | 42   | 6   | 25   | -75   | 89   | Single P          | TO-262    |
| EL6679GS     | -30V | ±25V | 9    | 15   |    |  |  | 42   | 6   | 25   | -75   | 89   | Single P          | TO-263    |
| EL6680AGM    | 30V  | ±20V | 11   | 16.5 |    |  |  | 17   | 2.7 | 9.9  | 12    | 2.5  | Single N          | SO-8      |
| EL6680BGM-HF | 30V  | ±20V | 9    | 15   |    |  |  | 11.5 | 2   | 7    | 13.3  | 2.5  | Single N          | SO-8      |
| EL6680GM     | 30V  | ±25V | 11   | 18   |    |  |  | 16.8 | 4.2 | 8    | 11.5  | 2.5  | Single N          | SO-8      |
| EL6800GEO    | 20V  | ±10V |      | 20   | 25 |  |  | 23.4 | 2.5 | 11.1 | 6     | 1    | Single N          | TSSOP-8   |
| EL6900GH-HF  | 30V  | ±20V | 6.2  | 12.5 |    |  |  | 10   | 2.5 | 5.5  | 75    | 3W   | Dual N            | SDPAK     |
| EL6900GSM    | 30V  | ±20V | 30   | 37   |    |  |  | 9    | 2   | 6    | 5.7   | 1.4  | Dual N            | SO-8      |
| EL6900GSM    | 30V  | ±20V | 22   | 29   |    |  |  | 25   | 4   | 7    | 9.8   | 2.2  | Dual N            | SO-8      |
| EL6901GH-HF  | 30V  | ±20V | 6.5  | 12   |    |  |  | 10   | 2.5 | 5.5  | 70    | 3    | Dual N            | SDPAK     |
| EL6901GSM-HF | 30V  | ±20V | 16.5 | 24   |    |  |  | 3.7  | 1.5 | 1.5  | 7.1   | 1.4  | Dual N            | SO-8      |
| EL6901GSM-HF | 30V  | ±20V | 16   | 24   |    |  |  | 3.7  | 1.5 | 1.5  | 9.2   | 2.2  | Dual N            | SO-8      |
| EL6902GH-HF  | 30V  | ±20V | 10   | 22   |    |  |  | 10   | 2   | 6.5  | 42    | 3    | Dual N            | SDPAK     |
| EL6903GH-HF  | 30V  | ±20V | 12.5 | 24   |    |  |  | 6.6  | 1.5 | 4    | 32    | 3    | Dual N            | SDPAK     |
| EL6904GH-HF  | 30V  | ±20V | 18   | 38   |    |  |  | 8.7  | 2   | 6    | 22    | 3    | Dual N            | SDPAK     |

|               |      |      |      |      |     |  |  |  |      |     |      |      |      |          |           |
|---------------|------|------|------|------|-----|--|--|--|------|-----|------|------|------|----------|-----------|
| EL6910GSM-HF  | 30V  | ±20V | 15.8 | 23   |     |  |  |  | 6    | 1.4 | 3.4  | 9    | 2    | Dual N   | SO-8      |
| EL6910GSM-HF  | 30V  | ±20V | 15.8 | 25.2 |     |  |  |  | 6    | 1.2 | 3.4  | 9    | 2    | Dual N   | SO-8      |
| EL69230       | -20V | ±12V |      | 50   | 85  |  |  |  | 15.6 | 2.1 | 5.2  | -3.5 | 1    | Single P | TSSOP-8   |
| EL6924GEY     | 20V  | ±6V  |      | 600  | 850 |  |  |  | 1.3  | 0.3 | 0.5  | 1    | 0.9  | Single N | SOT-26    |
| EL6925GY      | -16V | ±8V  |      | 150  | 200 |  |  |  | 6    | 1   | 2    | -1.6 | 0.55 | Single P | SOT-26    |
| EL6982GM      | 30V  | ±25V | 18   | 30   |     |  |  |  | 14   | 4   | 8    | 8.5  | 2    | Dual N   | SO-8      |
| EL6982GM      | 30V  | ±25V | 22   | 36   |     |  |  |  | 9    | 3   | 5    | 7.3  | 2    | Dual N   | SO-8      |
| EL70L02GH     | 25V  | ±20V | 9    | 18   |     |  |  |  | 23   | 3   | 17   | 66   | 66   | Single N | TO-252    |
| EL70L02GJ     | 25V  | ±20V | 9    | 18   |     |  |  |  | 23   | 3   | 17   | 66   | 66   | Single N | TO-251    |
| EL70L02GP     | 25V  | ±20V | 9    | 18   |     |  |  |  | 23   | 3   | 17   | 66   | 66   | Single N | TO-220    |
| EL70L02GS     | 25V  | ±20V | 9    | 18   |     |  |  |  | 23   | 3   | 17   | 66   | 66   | Single N | TO-263    |
| EL70T03AH     | 30V  | ±20V | 9    | 18   |     |  |  |  | 16.5 | 5   | 10.3 | 60   | 53   | Single N | TO-252    |
| EL70T03AJ     | 30V  | ±20V | 9    | 18   |     |  |  |  | 16.5 | 5   | 10.3 | 60   | 53   | Single N | TO-251    |
| EL70T03AS     | 30V  | ±20V | 9    | 18   |     |  |  |  | 16.5 | 5   | 10.3 | 60   | 53   | Single N | TO-263    |
| EL70T03GH     | 30V  | ±20V | 9    | 18   |     |  |  |  | 17   | 5   | 10   | 60   | 53   | Single N | TO-252    |
| EL70T03GI     | 30V  | ±20V | 9    | 18   |     |  |  |  | 17   | 5   | 10   | 60   | 37.5 | Single N | TO-220CFM |
| EL70T03GJ     | 30V  | ±20V | 9    | 18   |     |  |  |  | 17   | 5   | 10   | 60   | 53   | Single N | TO-251    |
| EL70T03GJ-HF  | 30V  | ±20V | 9    | 18   |     |  |  |  | 17   | 5   | 10   | 60   | 53   | Single N | TO-251    |
| EL70T03GP     | 30V  | ±20V | 9    | 18   |     |  |  |  | 16.5 | 5   | 10.3 | 60   | 53   | Single N | TO-220    |
| EL70T03GS     | 30V  | ±20V | 9    | 18   |     |  |  |  | 16.5 | 5   | 10.3 | 60   | 53   | Single N | TO-263    |
| EL70U02GH     | 25V  | ±20V | 9    | 15   |     |  |  |  | 18.5 | 3.7 | 12.1 | 60   | 4.7  | Single N | TO-252    |
| EL72T02GH-HF  | 25V  | ±20V | 9    | 15   |     |  |  |  | 13   | 2.7 | 9    | 62   | 60   | Single N | TO-252    |
| EL72T02GJ-HF  | 25V  | ±20V | 9    | 15   |     |  |  |  | 13   | 2.7 | 9    | 62   | 60   | Single N | TO-251    |
| EL72T03GH     | 30V  | ±20V | 9    | 15   |     |  |  |  | 15   | 3   | 10   | 62   | 60   | Single N | TO-252    |
| EL72T03GI-HF  | 30V  | ±20V | 9.5  | 20   |     |  |  |  | 15   | 3   | 10   | 62   | 31   | Single N | TO-220CFM |
| EL72T03GJ     | 30V  | ±20V | 9    | 15   |     |  |  |  | 15   | 3   | 10   | 62   | 60   | Single N | TO-251    |
| EL72T03GP     | 30V  | ±20V | 9.5  | 17   |     |  |  |  | 15   | 3   | 10   | 65   | 70   | Single N | TO-220    |
| EL73T02GH-HF  | 25V  | ±20V | 9    | 16   |     |  |  |  | 14   | 2.5 | 9.5  | 57   | 50   | Single N | TO-252    |
| EL98T03GP     | 30V  | ±20V | 2.8  | 4    |     |  |  |  | 71   | 9   | 41   | 200  | 156  | Single N | TO-220    |
| EL73T02GJ-HF  | 25V  | ±20V | 9    | 16   |     |  |  |  | 14   | 2.5 | 9.5  | 57   | 50   | Single N | TO-251    |
| EL98T03GS     | 30V  | ±20V | 2.8  | 4    |     |  |  |  | 71   | 9   | 41   | 200  | 156  | Single N | TO-263    |
| EL73T03GJ-HF  | 30V  | ±20V | 9    | 16   |     |  |  |  | 13   | 2.5 | 9.5  | 85   | 10   | Single N | TO-251    |
| EL73T03GMT-HF | 30V  | ±20V | 9    | 16   |     |  |  |  | 12   | 3   | 7.5  | 58   | 50   | Single N | PMPAK 5x6 |
| EL9915GH      | 20V  | ±12V |      | 50   | 80  |  |  |  | 7.5  | 0.9 | 4    | 20   | 26   | Single N | TO-252    |
| EL9915GJ      | 20V  | ±12V |      | 50   | 80  |  |  |  | 7.5  | 0.9 | 4    | 20   | 26   | Single N | TO-251    |
| EL9915GK      | 20V  | ±12V |      |      |     |  |  |  |      |     |      |      |      | Single N | SOT-223   |

|               |      |      |     |  |     |     |    |    |  |      |     |      |      |      |                   |           |
|---------------|------|------|-----|--|-----|-----|----|----|--|------|-----|------|------|------|-------------------|-----------|
| EL9916GH      | 18V  | ±12V |     |  | 25  | 40  |    |    |  | 17.5 | 1.2 | 7.9  | 35   | 50   | Single N          | TO-252    |
| EL9916GJ      | 18V  | ±12V |     |  | 25  | 40  |    |    |  | 17.5 | 1.2 | 7.9  | 35   | 50   | Single N          | TO-251    |
| EL9918GH      | 20V  | ±12V |     |  |     | 14  |    | 28 |  |      | 16  | 3    | 9    | 45   | 31.25             | TO-252    |
| EL7811GM      | 25V  | ±12V |     |  | 12  |     |    |    |  | 32   | 2.6 | 15.5 | 11.8 | 2.5  | Single N          | SO-8      |
| EL9918GJ      | 20V  | ±12V |     |  | 14  | 28  |    |    |  | 19   | 1.5 | 10.5 | 45   | 48   | Single N          | TO-251    |
| EL9920GEO     | 30V  | ±10V |     |  | 27  | 36  |    |    |  | 11   | 1   | 4    | 4.9  | 1    | Single N          | TSSOP-8   |
| EL9922GEO-HF  | 20V  | ±8V  |     |  | 16  | 22  | 30 |    |  | 28   | 4   | 9    | 6.4  | 1    | Dual N            | TSSOP-8   |
| EL9923GEO-HF  | -12V | ±8V  |     |  | 25  | 32  | 40 |    |  | 28   | 3   | 8    | -7   | 1    | Dual P            | TSSOP-8   |
| EL9924AGO-HF  | 20V  | ±8V  |     |  | 22  | 30  |    |    |  | 7.2  | 0.6 | 3.4  | 5    | 0.83 | Dual N            | TSSOP-8   |
| EL9924GO      | 20V  | ±8V  |     |  | 20  | 30  |    |    |  | 9    | 1   | 4.5  | 6.8  | 1.38 | Single N          | TSSOP-8   |
| EL83T02GH-HF  | 25V  | ±20V | 6   |  | 11  |     |    |    |  | 24   | 4   | 16   | 75   | 2.4  | Single N          | TO-252    |
| EL9926GEM     | 20V  | ±12V |     |  | 30  | 45  |    |    |  | 12.5 | 1   | 6.5  | 6    | 2    | Dual N            | SO-8      |
| EL9926GEO     | 20V  | ±12V |     |  | 28  | 40  |    |    |  | 12.5 | 1   | 6.5  | 4.6  | 1    | Dual N            | TSSOP-8   |
| EL9926GM      | 20V  | ±12V |     |  | 30  | 45  |    |    |  | 11   | 1.1 | 4.1  | 6    | 2    | Dual N            | SO-8      |
| EL9926GO      | 20V  | ±8V  |     |  | 28  | 40  |    |    |  | 12.5 | 1   | 6.5  | 4.6  | 1    | Dual N            | TSSOP-8   |
| EL83T02GJ-HF  | 25V  | ±20V | 6   |  | 11  |     |    |    |  | 24   | 4   | 16   | 75   | 2.4  | Single N          | TO-251    |
| EL9928GEM     | 20V  | ±12V |     |  | 23  | 32  |    |    |  | 17   | 2   | 9    | 7.3  | 2    | Dual N            | SO-8      |
| EL85T03GH     | 30V  | ±20V | 6   |  | 10  |     |    |    |  | 33   | 8   | 24   | 75   | 107  | Single N          | TO-252    |
| EL9928GEO     | 20V  | ±12V |     |  | 23  | 29  |    |    |  | 15.9 | 1.5 | 7.4  | 5    | 1    | Dual N            | TSSOP-8   |
| EL85T03GJ     | 30V  | ±20V | 6   |  | 10  |     |    |    |  | 33   | 8   | 24   | 75   | 107  | Single N          | TO-251    |
| EL9930AGM     | 30V  | ±20V | 35  |  | 60  |     |    |    |  | 6.3  | 1.5 | 3.5  | 5.2  | 1.38 | Complementary N-P | SO-8      |
| EL85T03GP-HF  | 30V  | ±20V | 6   |  | 10  |     |    |    |  | 33   | 7.5 | 24   | 75   | 107  | Single N          | TO-220    |
| EL9930AGM     | -30V | ±20V | 72  |  | 100 |     |    |    |  | 6.3  | 1.3 | 3    | -3.5 | 1.38 | Complementary N-P | SO-8      |
| EL85T03GS-HF  | 30V  | ±20V | 6   |  | 10  |     |    |    |  | 33   | 7.5 | 24   | 75   | 107  | Single N          | TO-263    |
| EL9930GM-HF   | 30V  | ±20V | 33  |  | 60  |     |    |    |  | 7    | 2   | 4    | 5.5  | 1.38 | Complementary N-P | SO-8      |
| EL85U03GH-HF  | 30V  | ±20V | 5.5 |  | 12  |     |    |    |  | 41.5 | 7.3 | 27   | 75   | 60   | Single N          | TO-252    |
| EL9930GM-HF   | -30V | ±20V | 55  |  | 100 |     |    |    |  | 8    | 1.5 | 4    | -4.1 | 1.38 | Complementary N-P | SO-8      |
| EL85U03GM-HF  | 30V  | ±20V | 5   |  | 9   |     |    |    |  | 38   | 61  |      | 18.6 | 2.5  | Single N          | SO-8      |
| EL85U03GMT-HF | 30V  | ±20V | 5   |  | 10  |     |    |    |  | 29   | 6.4 | 19   | 82   | 50   | Single N          | PMPAK 5x6 |
| EL9932GM      | 30V  | ±12V | 40  |  | 50  | 60  |    |    |  | 9    | 1.6 | 4    | 4.3  | 1.38 | Complementary N-P | SO-8      |
| EL86T02GH     | 25V  | ±20V | 6   |  | 10  |     |    |    |  | 23   | 5   | 14   | 75   | 75   | Single N          | TO-252    |
| EL9932GM      | -30V | ±12V | 70  |  | 90  | 120 |    |    |  | 10   | 2   | 3    | -3.3 | 1.38 | Complementary N-P | SO-8      |
| EL86T02GJ     | 25V  | ±20V | 6   |  | 10  |     |    |    |  | 23   | 5   | 14   | 75   | 75   | Single N          | TO-251    |
| EL86T03GH     | 30V  | ±20V | 6.5 |  | 11  |     |    |    |  | 25   | 5.6 | 17   | 75   | 75   | Single N          | TO-252    |
| EL9936GM      | 30V  | ±20V | 50  |  | 80  |     |    |    |  | 6.1  | 1.4 | 3.3  | 5    | 2    | Dual N            | SO-8      |
| EL9936GM-HF   | 30V  | ±20V | 50  |  | 80  |     |    |    |  | 6.1  | 1.4 | 3.3  | 5    | 2    | Dual N            | Dual N    |

|               |     |      |     |     |   |  |  |     |     |      |      |      |          |           |
|---------------|-----|------|-----|-----|---|--|--|-----|-----|------|------|------|----------|-----------|
| EL86T03GJ     | 30V | ±20V | 6.5 | 11  |   |  |  | 25  | 5.6 | 17   | 75   | 75   | Single N | TO-251    |
| EL90T03GH     | 30V | ±20V | 4   | 6   |   |  |  | 60  | 8.5 | 38   | 75   | 96   | Single N | TO-252    |
| EL90T03GI     | 30V | ±20V | 4   | 6   |   |  |  | 60  | 8.5 | 38   | 75   | 36.8 | Single N | TO-220CFM |
| EL90T03GJ     | 30V | ±20V | 4   | 6   |   |  |  | 60  | 8.5 | 38   | 75   | 96   | Single N | TO-251    |
| EL90T03GR     | 30V | ±20V | 4   | 6   |   |  |  | 60  | 8.5 | 38   | 75   | 96   | Single N | TO-262    |
| EL90T03GS     | 30V | ±20V | 4   | 6   |   |  |  | 60  | 8.5 | 38   | 75   | 96   | Single N | TO-263    |
| EL90T03P      | 30V | ±20V | 4   | 6   |   |  |  | 60  | 8.5 | 38   | 75   | 96   | Single N | TO-220    |
| EL92T03GH     | 30V | ±20V | 4   | 5.2 |   |  |  | 45  | 6   | 26   | 75   | 89   | Single N | TO-252    |
| EL92T03GI-HF  | 30V | ±20V | 4   | 5.2 |   |  |  | 45  | 6   | 26   | 80   | 31.3 | Single N | TO-220CFM |
| EL92T03GJ-HF  | 30V | ±20V | 4   | 5.2 |   |  |  | 45  | 6   | 26   | 75   | 89   | Single N | TO-251    |
| EL92T03GP     | 30V | ±20V | 4   | 5.2 |   |  |  | 45  | 6   | 26   | 80   | 89   | Single N | TO-220    |
| EL92T03GS     | 30V | ±20V | 4   | 5.2 |   |  |  | 45  | 6   | 26   | 80   | 89   | Single N | TO-263    |
| EL92U03GH-HF  | 30V | ±20V | 3.8 | 6.5 |   |  |  | 34  | 6   | 20   | 75   | 62.5 | Single N | TO-252    |
| EL92U03GMT-HF | 30V | ±20V | 4   | 6   |   |  |  | 30  | 6   | 16   | 90   | 5    | Single N | PMPAK 5x6 |
| EL92U03GS-HF  | 30V | ±20V | 4.5 | 7.5 |   |  |  | 34  | 6   | 20   | 80   | 3.1  | Single N | TO-263    |
| EL9402GYT-HF  | 30V | ±20V | 18  | 30  |   |  |  | 5.7 | 1.8 | 3.5  | 11.5 | 3.57 | Single N | PMPAK 3x3 |
| EL9404GH-HF   | 30V | ±20V | 14  | 32  |   |  |  | 10  | 3   | 6    | 30   | 2    | Single N | TO-252    |
| EL9404GM-HF   | 30V | ±20V | 12  | 25  |   |  |  | 7.5 | 1.8 | 5    | 12   | 2.5  | Single N | SO-8      |
| EL9408AGH     | 30V | ±20V | 10  | 15  |   |  |  | 10  | 2.3 | 5.6  | 53   | 44.6 | Single N | TO-252    |
| EL9408AGI     | 30V | ±20V | 10  | 15  |   |  |  | 10  | 2.3 | 5.6  | 53   | 29.7 | Single N | TO-220CFM |
| EL9408AGM-HF  | 30V | ±20V | 10  | 15  |   |  |  | 9   | 2   | 4.5  | 12.5 | 2.5  | Single N | SO-8      |
| EL9408AGP     | 30V | ±20V | 10  | 15  |   |  |  | 10  | 2.3 | 5.6  | 53   | 44.6 | Single N | TO-220    |
| EL9408CGM-HF  | 30V | ±20V | 8   | 13  |   |  |  | 16  | 1.7 | 5.5  | 14   | 2.5  | Single N | SO-8      |
| EL9408GH      | 30V | ±20V | 10  | 15  |   |  |  | 13  | 2.2 | 7    | 57   | 53.6 | Single N | TO-252    |
| EL9408GJ      | 30V | ±20V | 10  | 15  |   |  |  | 13  | 2.2 | 7    | 57   | 53.6 | Single N | TO-251    |
| EL9410AGM-HF  | 30V | ±12V | 5   | 5.5 | 8 |  |  | 28  | 3   | 12.5 | 18   | 2.5  | Single N | SO-8      |
| EL9410GH-HF   | 30V | ±12V |     | 6   | 8 |  |  | 57  | 8   | 24   | 75   | 2    | Single N | TO-252    |
| EL9410GM      | 30V | ±12V | 5   | 6   | 8 |  |  | 59  | 10  | 23   | 18   | 2.5  | Single N | SO-8      |
| EL9410GMT-HF  | 30V | ±12V | 5   | 5.5 |   |  |  | 28  | 3   | 12   | 80   | 56.8 | Single N | PMPAK 5x6 |
| EL9412AGH     | 30V | ±20V | 6   | 8   |   |  |  | 21  | 3.6 | 12   | 68   | 44.6 | Single N | TO-252    |
| EL9412AGI     | 30V | ±20V | 6   | 8   |   |  |  | 21  | 3.6 | 12   | 68   | 34.7 | Single N | TO-220CFM |
| EL9412AGM     | 30V | ±20V | 6   | 8   |   |  |  | 18  | 3.7 | 8    | 16   | 2.5  | Single N | SO-8      |
| EL9412AGP     | 30V | ±20V | 6   | 8   |   |  |  | 21  | 3.6 | 12   | 68   | 44.6 | Single N | TO-220    |
| EL9412BGM     | 30V | ±20V | 6   | 8   |   |  |  | 26  | 4.6 | 16   | 18   | 2.5  | Single N | SO-8      |
| EL9412CGM-HF  | 30V | ±20V | 4.8 | 6.5 |   |  |  | 37  | 3.6 | 12.5 | 18.2 | 2.5  | Single N | SO-8      |
| EL9412GH      | 30V | ±20V | 6   | 8   |   |  |  | 26  | 4.6 | 16   | 73   | 53.6 | Single N | TO-252    |

|              |      |      |     |     |     |  |  |  |      |      |      |       |       |          |           |
|--------------|------|------|-----|-----|-----|--|--|--|------|------|------|-------|-------|----------|-----------|
| EL9412GI     | 30V  | ±20V | 6   | 8   |     |  |  |  | 26   | 4.6  | 16   | 68    | 34.7  | Single N | TO-220CFM |
| EL9412GJ     | 30V  | ±20V | 6   | 8   |     |  |  |  | 26   | 4.6  | 16   | 73    | 53.6  | Single N | TO-251    |
| EL9412GP     | 30V  | ±20V | 6   | 8   |     |  |  |  | 26   | 4.6  | 16   | 73    | 53.6  | Single N | TO-220    |
| EL9414GM     | 30V  | ±20V | 6.5 | 11  |     |  |  |  | 26.5 | 7.5  | 13.5 | 16    | 2.5   | Single N | SO-8      |
| EL9416GM     | 30V  | ±20V | 3.2 | 6.5 |     |  |  |  | 21   | 7.5  | 9.5  | 25    | 3.6   | Single N | SO-8      |
| EL9420GM-HF  | 30V  | ±20V | 3   | 5.5 |     |  |  |  | 33   | 6.5  | 19   | 25    | 3.1   | Single N | SO-8      |
| EL9424GYT-HF | 30V  | ±20V | 6.5 | 9   |     |  |  |  | 21   | 3.5  | 13   | 18    | 3.75W | Single N | PMPAK 3x3 |
| EL9430GH-HF  | 30V  | ±20V | 4   | 7   |     |  |  |  | 35   | 6    | 20   | 75    | 2     | Single N | TO-252    |
| EL9430GYT-HF | 30V  | ±20V | 4.5 | 7   |     |  |  |  | 33   | 7    | 21   | 23    | 3.57  | Single N | PMPAK 3x3 |
| EL9435GG-HF  | -30V | ±20V | 50  | 90  |     |  |  |  | 8    | 1.5  | 4    | -4.2  | 1.25  | Single P | SOT-89    |
| EL9435GH     | -30V | ±20V | 50  | 90  |     |  |  |  | 8    | 1.6  | 4.3  | -20   | 12.5  | Single P | TO-252    |
| EL9435GJ     | -30V | ±20V | 50  | 90  |     |  |  |  | 8    | 1.6  | 4.3  | -20   | 12.5  | Single P | TO-251    |
| EL9435GK-HF  | -30V | ±20V | 50  | 100 |     |  |  |  | 8    | 1.5  | 4    | -6    | 2.7   | Single P | SOT-223   |
| EL9435GM     | -30V | ±20V | 50  | 90  |     |  |  |  | 14.6 | 18   | 3.7  | -5.3  | 2.5   | Single P | SO-8      |
| EL9435GP     | -30V | ±20V | 50  | 90  |     |  |  |  | 8    | 1.6  | 4.3  | -15   | 12.5  | Single P | TO-220    |
| EL9451GG     | -20V | ±12V |     | 135 | 240 |  |  |  | 5.5  | 1    | 2.5  | -2.3  | 1.25  | Single P | SOT-89    |
| EL9452AGG-HF | 20V  | ±12V | 38  | 50  |     |  |  |  | 7    | 0.7  | 3.4  | 4     | 1.25  | Single N | SOT-89    |
| EL9452GG     | 20V  | ±16V | 38  | 50  | 80  |  |  |  | 6    | 1    | 2    | 4     | 1.25  | Single N | SOT-89    |
| EL9452GG-HF  | 20V  | ±16V | 38  | 50  | 80  |  |  |  | 6    | 1    | 2    | 4     | 1.25  | Single N | SOT-89    |
| EL99T03GP-HF | 30V  | ±20V | 2.5 | 4   |     |  |  |  | 80   | 11.5 | 55   | 200   | 156   | Single N | TO-220    |
| EL9T15GH     | 20V  | ±16V |     | 50  | 80  |  |  |  | 5    | 1    | 2    | 12.5  | 12.5  | Single N | TO-252    |
| EL9T15GJ     | 20V  | ±16V |     | 50  | 80  |  |  |  | 5    | 1    | 2    | 12.5  | 12.5  | Single N | TO-251    |
| EL9T16GH     | 20V  | ±16V |     | 25  | 40  |  |  |  | 10   | 3    | 5    | 25    | 25    | Single N | TO-252    |
| EL9T16GJ     | 20V  | ±16V |     | 25  | 40  |  |  |  | 10   | 3    | 5    | 25    | 25    | Single N | TO-251    |
| EL9T18GEH    | 20V  | ±12V |     | 14  | 28  |  |  |  | 16   | 2    | 6    | 40    | 31    | Single N | TO-252    |
| EL9T18GEJ    | 20V  | ±12V |     | 14  | 28  |  |  |  | 16   | 2    | 6    | 40    | 31    | Single N | TO-251    |
| EL9T18GH     | 20V  | ±16V |     | 14  | 28  |  |  |  | 16   | 3    | 9    | 38    | 31.3  | Single N | TO-252    |
| EL9T18GJ     | 20V  | ±16V |     | 14  | 28  |  |  |  | 16   | 3    | 9    | 38    | 31.3  | Single N | TO-251    |
| EL9T19GJ     | 12V  | ±12V |     | 16  | 24  |  |  |  | 18   | 2    | 9    | 33    | 25    | Single N | TO-251    |
| EL9U18GH     | 20V  | ±12V |     | 14  | 28  |  |  |  | 21   | 2.4  | 9    | 37    | 25    | Single N | TO-252    |
| EL92U03GM-HF | 30V  | ±20V | 4   | 6   |     |  |  |  | 36   | 7    | 21   | 20    | 2.5   | Single N | SO-8      |
| EL4451GH-HF  | -30V | ±20V | 14  | 25  |     |  |  |  | 17   | 7.5  | 7.5  | -45   | 41.7  | Single P | TO-252    |
| EL9432GYT-HF | 30V  | ±20V | 12  | 20  |     |  |  |  | 6    | 1.5  | 3.5  | 14    | 3.57  | Single N | PMPAK 3x3 |
| EL4455GYT-HF | -30V | ±20V | 21  | 36  |     |  |  |  | 17   | 3    | 9    | -10.6 | 3.57  | Single P | PMPAK 3x3 |
| EL86T02GH-HF | 25V  | ±20V | 6   | 10  |     |  |  |  | 23   | 5    | 14   | 75    | 75    | Single N | TO-252    |
| EL86T02GJ-HF | 25V  | ±20V | 6   | 10  |     |  |  |  | 23   | 5    | 14   | 75    | 75    | Single N | TO-251    |

|               |      |      |      |      |      |      |      |      |      |    |       |       |                   |             |
|---------------|------|------|------|------|------|------|------|------|------|----|-------|-------|-------------------|-------------|
| EL95U03GMT-HF | 30V  | ±12V | 4    | 4.9  |      |      |      | 34   | 8    | 18 | 90    | 50    | Single N          | PMPAK 5X6   |
| EL4451GYT-HF  | -30V | ±20V | 14.5 | 25   |      |      | 14   | 5    | 5    |    | -13.1 | 3.57  | Single P          | PMPAK 3x3   |
| EL4439GH-HF   | -30V | ±25V | 10   | 17   |      |      | 46   | 6.5  | 28.5 |    | -58   | 50    | Single P          | TO-252      |
| EL4455GEH-HF  | -30V | ±25V | 21   | 36   |      |      | 19   | 3.5  | 11.5 |    | -35   | 39    | Single P          | TO-252      |
| EL9408GM-HF   | 30V  | ±20V | 10   | 12   |      |      | 13   | 2.2  | 7    |    | 13.3  |       | Single N          | S0-8        |
| EL4503GM      | 30V  | ±20V | 28   | 42   |      |      | 9    | 2    | 6    |    | 6.9   | 2     | Complementary N-P | S0-8        |
| EL4503GM      | -30V | ±20V | 36   | 55   |      |      | 9    | 2    | 5    |    | -6.3  | 2     | Complementary N-P | S0-8        |
| EL2609GYT-HF  | -20V | ±8V  |      | 18   | 24   | 35   | 26.5 | 2.3  | 7    |    | -11.3 | 3.57  | P-Channel         | PMPAK 3x3   |
| EL83T03GMT-HF | 30V  | ±20V | 6    | 11   |      |      | 19   | 4    | 11   |    | 72    | 50    | Single N          | PMPAK 5X6   |
| EL4961GM      | -20V | ±8V  |      | 28   | 32   | 40   | 26.5 | 2.3  | 7    |    | -7    | 2     | Single P          | S0-8        |
| EL2530AGY-HF  | 30V  | ±20V | 72   | 135  |      |      | 2.8  | 1.2  | 1.4  |    | 3.3   | 1.136 | Complementary N-P | SOT-26      |
| EL2305CGN-HF  | -30V | ±12V | 75   | 85   | 120  |      | 11   | 1.5  | 4    |    | -3.2  | 1.38  | Single P          | SOT-23      |
| EL92U03GP-HF  | 30V  | ±20V | 4.5  | 7.5  |      |      | 34   | 6    | 20   |    | 80    | 50    | Single N          | TO-220      |
| EL83T03GH-HF  | 30V  | ±20V | 6    | 11   |      |      | 21   | 3.5  | 15   |    | 75    | 60    | Single N          | TO-252      |
| EL83T03GJ-HF  | 30V  | ±20V | 6    | 11   |      |      | 21   | 3.5  | 15   |    | 75    | 60    | Single N          | TO-252      |
| EL6950GYT-HF  | 30V  | ±20V | 18   | 30   |      |      | 4.2  | 1.8  | 1.9  |    | 8.3   | 1.9   | Duan N-Channel    | PMPAK 3x3   |
|               |      | ±12V | 10.5 | 16.5 |      |      | 7.5  | 3    | 3    |    | 11.8  | 2.2   |                   |             |
| EL2612GY-HF   | 30V  | ±8V  |      | 35   | 45   | 75   | 8    | 1    | 3.5  |    | 6     | 2     | Single N          | SOT-26      |
| EL1RA03GMT-HF | 30V  | ±20V | 1.59 | 3    |      |      |      |      |      |    | 185   | 83.3  | Single N          | PMPAK 5x6   |
| EL73T03GH-HF  | 30V  | ±20V | 9    | 16   |      |      | 13   | 2.5  | 9.5  |    | 55    | 50    | Single N          | TO-252      |
| EL1001BSQ     | 30V  | ±20V | 6    | 10   |      |      | 9    | 2.5  | 5    |    | 15    | 2.2   | Single N          | GreenFET-SQ |
| EL6680BGT-HF  | 30V  | ±20V | 9    | 15   |      |      | 14   | 3.5  | 8.5  |    | 16    | 3.57  | Single N          | PMPAK 3X3   |
| EL0803GMP-HF  | 30V  | ±20V | 9.5  | 13   |      |      | 6    | 1.5  | 3    |    | 44    | 29.7  | Single N          | EF SOP-8    |
| EL2338GN-HF   | 30V  | ±8V  |      | 35   | 45   | 75   | 8.5  | 1    | 3.5  |    | 5     | 1.38  | Single N          | SOT-23      |
| EL6921GMT-HF  | 30V  | ±20V | 11.5 | 21.5 |      |      | 9    | 2.5  | 5    |    | 34    | 3.13  | Dual N            | PMPAK 5X6   |
| EL6921GMT-HF  | 30V  | ±20V | 5    | 8    |      |      | 14   | 3    | 8    |    | 74    | 3.9   | Dual N            | PMPAK 5X6   |
| EL6920GMT-HF  | 30V  | ±20V | 4.5  | 10.5 |      |      | 35   | 12.5 | 19   |    | 80    | 3.9   | Dual N            | PMPAK 5X6   |
| EL50T03GH     | 30V  | ±20V | 16   | 30   |      |      | 10   | 3.5  | 6    |    | 37    | 34.7  | Single N          | TO-252      |
| EL50T03GJ     | 30V  | ±20V | 16   | 30   |      |      | 10   | 3.5  | 6    |    | 37    | 34.7  | Single N          | TO-251      |
| EL4434GH-HF   | 20V  | ±12V |      | 18.5 | 30   |      | 9.5  | 1.5  | 5    |    | 21    | 12.5  | Single N          | TO-252      |
| EL1332GEV-HF  | 20V  | ±6V  |      | 900  | 1000 | 1500 | 1.2  | 0.3  | 0.3  |    | 0.45  | 0.35  | Single N          | SC-75       |
| EL4434AGM-HF  | 20V  | ±8V  |      | 22   | 28   | 40   | 13   | 1.5  | 5    |    | 8.7   | 2.5   | Single N          | SO-8        |
| EL4434AGH-HF  | 20V  | ±8V  |      | 22   | 28   | 40   | 13   | 1.5  | 5    |    | 25    | 20.8  | Single N          | TO-252      |
| EL6930GMT-HF  | 30V  | ±20V | 8.1  | 13   |      |      | 14   | 3.5  | 7.5  |    | 14.6  | 3.57  | Dual N            | PMPAK 5X6   |
| EL85U03GP-HF  | 30V  | ±20V | 5    | 9    |      |      | 37   | 7.5  | 23   |    | 80    | 60    | Single N          | TO-220      |
| EL4503BGO-HF  | 30V  | ±20V | 23   | 40   |      |      | 7    | 2    | 4    |    | 6.3   | 1.38  | Complementary N-P | TSSOP-8     |



|                |      |      |      |      |      |  |    |  |      |      |      |       |      |                   |           |
|----------------|------|------|------|------|------|--|----|--|------|------|------|-------|------|-------------------|-----------|
| EL4503BGO-HF   | -30V | ±20V | 35   | 50   |      |  |    |  | 14.4 | 5.5  | 5    | -5.2  | 1.38 | Complementary N-P | TSSOP-8   |
| EL4438CCGM-HF  | 30V  | ±20V | 11.5 | 18   |      |  |    |  | 10   | 3    | 4.5  | 11.8  | 2.5  | Single N          | SO-8      |
| EL4438BGM-HF   | 30V  | ±20V | 14   | 20   |      |  |    |  | 7.5  | 1.8  | 5    | 10.4  | 2.5  | Single N          | SO-8      |
| EL1333GU       | -20V | ±12V | 600  | 800  | 1000 |  |    |  | 1.7  | 0.3  | 0.4  | -0.55 | 0.35 | Single P          | SOT-323   |
| EL6970GN2-HF   | 20V  | ±12V |      | 45   | 64   |  |    |  | 4.5  | 0.7  | 1.7  | 4.5   | 1.38 | Single N          | DFN2x2    |
| EL4455GMT-HF   | -30V | ±20V | 21   | 36   |      |  |    |  | 18   | 4.5  | 8    | -35   | 39   | Single P          | PMPAK 5X6 |
| EL4438GYT-HF   | 30V  | ±20V | 12   | 18   |      |  |    |  | 10   | 3    | 4.5  | 13.7  | 3.57 | Single N          | PMPAK 3x3 |
| EL4034AGM-HF   | 30V  | ±12V | 9    | 13   |      |  |    |  | 16.5 | 4.5  | 8    | 13    | 2.5  | Single N          | SO-8      |
| EL4034GYT-HF   | 30V  | ±20V | 9    | 13.5 |      |  |    |  | 15   | 4    | 7    | 15.5  | 3.57 | Single N          | PMPAK 3x3 |
| EL4034GM-HF    | 30V  | ±20V | 9    | 14   |      |  |    |  | 15   | 4    | 7    | 13    | 2.5  | Single N          | SO-8      |
| EL4034AGYT-HF  | 30V  | ±12V | 9    | 13   |      |  |    |  | 16.5 | 4.5  | 8    | 15.5  | 3.57 | Single N          | PMPAK 3x3 |
| EL2605GY0-HF   | -30V | ±20V | 80   | 120  |      |  |    |  | 6.5  | 1.6  | 3    | -4    | 2    | Single P          | SOT-26    |
| EL2603GY-HF    | -20V | ±12V | 53   | 65   | 120  |  |    |  | 10.6 | 2.32 | 3.68 | -5    | 2    | Single P          | SOT-26    |
| EL1332GEU      | 20V  | ±8V  |      | 600  | 2000 |  |    |  | 1.3  | 0.3  | 0.5  | 0.6   | 0.35 | Single N          | SOT-323   |
| EL72T03GP-HF   | 30V  | ±20V | 9.5  | 17   |      |  |    |  | 15   | 3    | 10   | 65    | 70   | Single N          | TO-220    |
| EL4438AGM-HF   | 30V  | ±12V | 12.5 | 18   |      |  |    |  | 8.5  | 2.5  | 4    | 11.2  | 2.5  | Single N          | SO-8      |
| EL4433GM-HF    | -30V | ±20V | 30   | 50   |      |  |    |  | 8    | 2    | 4    | -7.4  | 2.5  | Single P          | SO-8      |
| EL2R803GMT-HF  | 30V  | ±20V | 3.5  | 4.2  |      |  |    |  | 20   | 4    | 10   | 105   | 50   | Single N          | PMPAK 5X6 |
| EL2R403AGMT-HF | 30V  | ±12V | 2.4  | 3.3  |      |  |    |  | 81   | 20   | 40   | 36.8  | 83.3 | Single N          | PMPAK 5X6 |
| EL2329GN-HF    | -30V | ±20V | 48   | 85   |      |  |    |  | 5.7  | 1.5  | 2.8  | -4.3  | 1.38 | Single P          | SOT-23    |
| EL2604GY-HF    | 30V  | ±20V | 45   | 65   |      |  |    |  | 6    | 2    | 3    | 5.5   | 2    | Single N          | SOT-26    |
| EL9451GG-HF    | -20V | ±12V |      | 135  | 240  |  |    |  | 5.5  | 1    | 2.5  | -2.3  | 1.25 | Single P          | SOT-89    |
| EL9402AGYT-HF  | 30V  | ±25V | 18   | 32   |      |  |    |  | 6.5  | 2    | 3.5  | 11.5  | 3.57 | Single N          | PMPAK 3X3 |
| EL4224LGM-HF   | 20V  | ±12V |      | 14   | 23   |  |    |  | 10   | 3    | 4.5  | 10    | 2    | Single N          | SO-8      |
| EL4813GYT-HF   | 30V  | ±12V | 10   | 14   |      |  |    |  | 13.5 | 3.5  | 7.5  | 15    | 3.57 | Single N          | PMPAK 3X3 |
| EL6922GMT-HF   | 30V  | ±20V | 8.5  | 12.5 |      |  |    |  | 6.5  | 1.5  | 3    | 15    | 3.13 | Dual N            | PMPAK 5X6 |
|                |      | ±12V | /3.8 | /5.2 |      |  |    |  | /36  | /10  | /20  | /25.7 | /3.9 |                   |           |
| EL0403GH-HF    | 30V  | ±20V | 4.5  | 6.5  |      |  |    |  | 16.5 | 3    | 9.6  | 75    | 44.6 | Single N          | TO-252    |
| EL40P03GI-HF   | -30V | ±20V | 28   | 50   |      |  |    |  | 15   | 3    | 10   | -30   | 31.3 | Single P          | TO-220CFM |
| EL92U03GJ-HF   | 30V  | ±20V | 3.8  | 6.5  |      |  |    |  | 34   | 6    | 20   | 75    | 50   | Single N          | TO-251    |
| EL9T16AGH-HF   | 20V  | ±12V | 20   | 30   |      |  |    |  | 16   | 2.5  | 6    | 19.5  | 12.5 | Single N          | TO-252    |
| EL9402GMT-HF   | 30V  | ±20V | 18   | 30   |      |  |    |  | 6.5  | 2    | 3.8  | 20.6  | 12.5 | Single N          | PMPAK 5X6 |
| EL4433GM-HF    | -30V | ±20V | 30   | 46   |      |  |    |  | 10.5 | 3    | 4.5  | -7.4  | 2.5  | Single P          | SO-8      |
| EL2323GN-HF    | -20V | ±8V  |      | 38   | 50   |  | 64 |  | 14.5 | 2    | 4    | -5    | 1.38 | Single P          | SOT-23    |
| EL60T03GH-HF   | 30V  | ±20V | 12   | 25   |      |  |    |  | 12   | 4    | 7    | 45    | 44   | Single N          | TO-252    |
| EL60T03GJ-HF   | 30V  | ±20V | 12   | 25   |      |  |    |  | 12   | 4    | 7    | 45    | 44   | Single N          | TO-251    |

|                |      |      |      |      |     |  |  |  |      |     |      |      |      |                   |               |
|----------------|------|------|------|------|-----|--|--|--|------|-----|------|------|------|-------------------|---------------|
| EL2325GEN-HF   | -20V | ±12V |      | 90   | 130 |  |  |  | 6    | 1   | 1.7  | -3   | 1.25 | Single P          | SOT-23        |
| EL6928GMT-HF   | 30V  | ±20V | 8.5  | 12.5 |     |  |  |  | 6.5  | 1.5 | 3    | 48   | 3.13 | Dual N            | PMPAK 5X6     |
| EL6928GMT-HF   | 30V  | ±12V | 2.6  | 3.5  |     |  |  |  | 67   | 18  | 31   | 105  | 3.9  | Dual N            | PMPAK 5X6     |
| EL1RC03GMT-HF  | 30V  | ±20V | 1.8  | 3.2  |     |  |  |  | 23   | 6.5 | 10.5 | 170  | 83.3 | Single N          | PMPAK 5X6     |
| EL2313GN-HF    | -20V | ±12V | 120  | 160  | 300 |  |  |  | 5    | 1   | 2    | -2.5 | 0.83 | Single P          | SOT-23        |
| EL60N03GP      | 30V  | ±20V | 13.5 | 20   |     |  |  |  | 22.4 | 2.7 | 14   | 55   | 62.5 | Single N          | TO-220        |
| EL9412AGM-HF   | 30V  | ±20V | 6    | 8    |     |  |  |  | 18   | 3.7 | 8    | 16   | 2.5  | Single N          | SO-8          |
| EL9412BGM-HF   | 30V  | ±20V | 6    | 8    |     |  |  |  | 26   | 4.6 | 16   | 18   | 2.5  | Single N          | SO-8          |
| EL4532GM-HF    | 30V  | ±20V | 50   | 70   |     |  |  |  | 10.2 | 1.2 | 3.4  | 5    | 2    | Complementary N-P | SO-8          |
| EL4532GM-HF    | -30V | ±20V | 70   | 90   |     |  |  |  | 18.3 | 3.6 | 1.5  | -4   | 2    | Complementary N-P | SO-8          |
| EL2451GY-HF    | 20V  | ±12V | 32   | 37   | 55  |  |  |  | 9    | 1.5 | 4    | 5    | 1.38 | Complementary N-P | 2928-8 J-lead |
| EL2451GY-HF    | 20V  | ±12V | 57   | 75   | 105 |  |  |  | 11   | 2   | 4    | -3.7 | 1.38 | Complementary N-P | 2928-8 J-lead |
| EL4226BGM-HF   | 30V  | ±20V | 11   | 18   |     |  |  |  | 14   | 3.5 | 7.5  | 10.7 | 2    | Dual N            | SO-8          |
| EL2R803GH-HF   | 30V  | ±20V | 2.8  | 4.8  |     |  |  |  | 28   | 5.3 | 16   | 75   | 104  | Single N          | TO-252(H)     |
| EL6923GMT-HF   | 30V  | ±20V | 8.7  | 14.3 |     |  |  |  | 10   | 3   | 4    | 32   | 3.13 | Dual N            | PMPAK 5X6     |
| EL6923GMT-HF   | 30V  | ±12V | 5.6  | 8.7  |     |  |  |  | 17   | 4   | 8    | 47   | 3.9  | Dual N            | PMPAK 5X6     |
| EL6901AGSM-HF  | 30V  | ±20V | 12   | 18   |     |  |  |  | 9.5  | 3   | 4    | 7.4  | 1.4  | Dual N            |               |
| EL6901AGSM-HF  | 30V  | ±20V | 12   | 18   |     |  |  |  | 9.5  | 3   | 4    | 9.3  | 2.2  | Dual N            | SO-8          |
| EL2609GY-HF    | -20V | ±12V |      | 40   | 60  |  |  |  | 8.5  | 1.2 | 3    | -5.1 | 2    | single P          | SOT-26        |
| EL9410AGH-HF   | 30V  | ±12V |      | 6    | 8   |  |  |  | 32   | 4   | 15   | 67   | 44.6 | single N          | TO-252        |
| EL6679BGI-HF   | -30V | ±20V | 9    | 15   |     |  |  |  | 44   | 6.5 | 28.5 | -48  | 31.3 | single P          | TO-220        |
| EL4433GI-HF    | -30V | ±20V | 32   | 50   |     |  |  |  | 8.4  | 2.3 | 5.3  | -21  | 1.92 | single P          | TO-220        |
| EL4034ASGYT-HF | 30V  | ±20V | 5.8  | 8.2  |     |  |  |  | 17   | 4.5 | 7.5  | 17.5 | 3.57 | single N          | PMPAK 3X3     |
| EL2306CGTN-HF  | 20V  | ±20V |      | 30   | 45  |  |  |  | 11   | 1.2 | 4.4  | 5.5  | 1.38 | single N          | TSOT-23       |
| EL2303GN-HF    | -30V | ±20V | 240  | 460  |     |  |  |  | 6.2  | 1.4 | 0.3  | -1.9 | 1.38 | single P          | SOT-23        |
| EL4501GH-HF    | 30V  | ±20V | 14.4 | 22   |     |  |  |  | 7.2  | 2.2 | 3.2  | 10.2 | 3.1  | complementary N-P | TO-252        |
| EL4501GH-HF    | 30V  | ±20V | 40.4 | 58.5 |     |  |  |  | 5.5  | 1.3 | 2.7  | -6.4 | 3.1  | complementary N-P | TO-252        |
| EL9926GM-HF    | 20V  | ±12V |      | 30   | 45  |  |  |  | 11   | 1.1 | 4.1  | 6    | 2    | Dual N            | SO-8          |
| EL4501AGEY-HF  | 30V  | ±20V | 15.9 | 22.4 |     |  |  |  | 7.2  | 2.2 | 3.2  | 6.5  | 1.38 | complementary N-P | Aug-28        |
| EL73T03AGMT-HF | 30V  | ±20V | 35   | 55   |     |  |  |  | 6    | 1.5 | 2.5  | -4.5 |      |                   |               |
| EL4509GM-HF    | 30V  | ±20V | 9    | 16   |     |  |  |  | 10   | 3   | 6    | 59   | 50   | Single N          | PMPAK 5X6     |
| EL4509GM-HF    | 30V  | ±20V | 14   | 20   |     |  |  |  | 23   | 6   | 14   | 10   | 2    | complementary N-P | SO-8          |
| EL4509GM-HF    | 30V  | ±20V | 20   | 30   |     |  |  |  | 27   | 4   | 18   | -8.4 |      |                   |               |
| EL4451GM-HF    | -30V | ±20V | 14   | 25   |     |  |  |  | 14   | 5   | 5    | -11  | 2.5  | single P          | SO-8          |
| EL2430GN3-HF   | 30V  | ±20V | 12   | 18   |     |  |  |  | 14   | 3.5 | 7.5  | 13   | 3.1  | Dual N            | DFN3x3        |
| EL2309GEN-HF   | -30V | ±20V | 41.3 | 60.5 |     |  |  |  | 7    | 2.2 | 2.7  | -4.2 | 1.38 | single P          | SOT-23        |

|                |      |       |     |  |      |      |    |      |      |      |        |      |                   |               |
|----------------|------|-------|-----|--|------|------|----|------|------|------|--------|------|-------------------|---------------|
| EL9434GM-HF    | 30V  | ±8V   |     |  | 22.5 | 30   | 48 | 8    | 1    | 3.5  | 8      | 2.5  | Single N          | SO-8          |
| EL6941GMT-HF   | ±20V | ±8V   |     |  | 16   | 26   |    | 8    | 1.1  | 3.9  | 12     | 3.57 | complementary N-P | PMPAK 5X6     |
|                |      |       |     |  | /32  | /45  |    | /13  | /1.7 | /4.6 | /-8.8  |      |                   |               |
| EL2R803AGMT-HF | 30V  | ±12V  | 3   |  | 4.2  |      |    | 11   | 3.5  | 5    | 33     | 5    | Single N          | PMPAK 5X6     |
| EL4036AGYT-HF  | 30V  | ±12V  | 11  |  | 15   |      |    | 11   | 3.5  | 5    | 14     | 3.57 | Single N          | PMPAK 3x3     |
| EL2626GY-HF    | 30V  | ±20V  | 72  |  | 120  |      |    | 3.2  | 0.9  | 1.7  | 3.3    | 1.2  | Dual N            | SOT-26        |
| EL2308GEN-HF   | 20V  | ±8V   |     |  | 600  | 2000 |    | 1.2  | 0.4  | 0.3  | 1.2    | 0.69 | Single N          | SOT-23        |
| EL1332GEU-HF   | ±20V | ±8V   |     |  | 600  | 2000 |    | 1.3  | 0.3  | 0.5  | 0.6    | 0.35 | Single N          | SOT-323       |
| EL4501AGEM-HF  | ±30V | ±20V  | 20  |  | 28   |      |    | 7    | 2    | 3    | 8      | 2    | complementary N-P | SO-8          |
|                |      |       | /60 |  | /150 |      |    | /6.5 | /2   | /3   | /-4.6  |      |                   |               |
| EL0603GM-HF    | 30V  | ±20V  | 6   |  | 11   |      |    | 9    | 3    | 4    | 16.3   | 2.5  | Single N          | SO-8          |
| EL2426GEY-HF   | 20V  | ±10V  |     |  | 26.5 | 38   |    | 7.5  | 1    | 3    | 6      | 1.39 | Dual N            | Aug-28        |
| EL4439GMT-HF   | -30V | ±25V  | 10  |  | 15   |      |    | 30   | 6    | 15   | -18.5  | 5    | single P          | PMPAK 5X6     |
| EL6980GN2-HF   | 30V  | ±20V  | 14  |  | 24   |      |    | 9.5  | 3.5  | 4    | 10.3   | 2.4  | Single N          | DFN2x2        |
| EL4434AGYT-HF  | 20V  | ±8V   |     |  | 18   | 25   | 34 | 12.5 | 1.5  | 4.5  | 10.8   | 3.13 | Single N          | PMPAK 3x3     |
| EL2309GN-HF    | -30V | ±20V  | 75  |  | 120  |      |    | 5    | 1    | 3    | -3.7   | 1.38 | single P          | SOT-23        |
| EL4933GM-HF    | -30V | ±20V  | 90  |  | 145  |      |    | 4.5  | 1.5  | 2    | -3.8   | 2    | Dual P            | SO-8          |
| EL4500GYT-HF   | ±20V | ±12V  |     |  | 21   | 36   |    | 8    | 1.1  | 4    | 8.9    | 2.5  | complementary N-P | PMPAK 3x3     |
|                |      |       |     |  | /60  | /90  |    | /9   | /1.3 | /3   | /-5.3  |      |                   |               |
| EL2327GN-HF    | -20V | ±8V   |     |  | 37   | 50   | 75 | 13   | 1.7  | 4    | -5.1   | 1.38 | single P          | SOT-23        |
| EL2613GY-HF    | -20V | ±8V   |     |  | 37   | 50   | 75 | 13   | 1.7  | 4    | -6.2   | 2    | single P          | SOT-26        |
| EL4820AGYT-HF  | 30V  | ±20V  | 8.5 |  | 15   |      |    | 9    | 2.6  | 5    | 15     | 3.13 | Single N          | PMPAK 3x3     |
| EL6680CGYT-HF  | 30V  | ±20V  | 9   |  | 15   |      |    | 10   | 3    | 5    | 15     | 3.13 | Single N          | PMPAK 3x3     |
| EL6680SGYT-HF  | 30V  | ±20V  | 9   |  | 15   |      |    | 10   | 3    | 5    | 15     | 3.13 | Single N          | PMPAK 3x3     |
| EL2535GEY-HF   | ±20V | ±8V   |     |  | 32   | 40   | 50 | 9    | 1    | 2.5  | 4.6    | 1.13 | complementary N-P | SOT-26        |
|                |      |       |     |  |      |      |    |      |      |      | /-3.1  |      |                   |               |
| EL6679GS/P-HF  | -30V | ±25V  | 9   |  | 15   |      |    | 42   | 6    | 25   | -7.5   | 89   | single P          | TO-263/TO-220 |
| EL9430AGYT-HF  | 30V  | ±12V  | 4.5 |  | 5.6  |      |    | 36   | 9    | 19   | 21     | 3.13 | Single N          | PMPAK 3x3     |
| EL4501AGM-HF   | ±30V | ±20V  | 28  |  | 42   |      |    | 8.4  | 1.4  | 4.7  | 7      | 2    | complementary N-P | SO-8          |
|                |      |       | /50 |  | /90  |      |    | /8   | /1.7 | /4.5 | /-5.3  |      |                   |               |
| EL2344GN-HF    | 20V  | ±8V   |     |  | 22   | 32   | 40 | 12.5 | 1.5  | 5    | 6.4    | 1.38 | Single N          | SOT-23        |
| EL75T03GMT-HF  | 30V  | ±20V  | 7   |  | 13   |      |    | 12   | 5.5  | 2.5  | 31     | 5    | Single N          | PMPAK 5X6     |
| EL98T03GW-HF   | 30V  | ±20V  | 3   |  | 4.2  |      |    | 71   | 9    | 41   | 80     | 104  | Single N          | TO-3P         |
| EL75T03GH-HF   | 30V  | ±20V  | 7   |  | 13   |      |    | 12   | 6    | 2.5  | 49     | 27.7 | Single N          | TO-252        |
| EL6942GMT-HF   | 30V  | ±20V  | 9   |  | 13.5 |      |    | 14.5 | 4    | 7    | 15.8   | 3.57 | complementary N-P | PMPAK 5X6     |
|                | -30  | /±12V |     |  |      |      |    |      |      |      | /-10.1 |      |                   |               |

|               |            |      |      |      |      |  |  |      |     |     |       |          |      |                   |               |
|---------------|------------|------|------|------|------|--|--|------|-----|-----|-------|----------|------|-------------------|---------------|
| EL4500GM-HF   | 20V<br>-20 | ±12V | 30   | 45   |      |  |  |      | 10  | 1.1 | 4.1   | 6<br>/-5 | 2    | complementary N-P | SO-8          |
| EL9926GEO-HF  | 20V        | ±12V |      | 28   | 40   |  |  | 12.5 | 1   | 6.5 | 4.6   | 1        | 1    | Dual N            | TSSOP-8       |
| EL2306AGEN-HF | 30V        | ±6V  |      | 50   | 72   |  |  | 8.7  | 1.3 | 3.5 | 4.1   | 1.38     | 1.38 | Single N          | SOT-23        |
| EL2318GEN-HF  | 30V        | ±16V |      |      | 2500 |  |  | 1.1  | 0.4 | 0.4 | 0.5   | 0.7      | 0.7  | Single N          | sot-23        |
| EL4953GM-HF   | -30V       | ±20V | 53   | 90   |      |  |  | 8    | 1.7 | 4.5 | -5    | 2        | 2    | Single P          | SO-8          |
| EL2615GY-HF   | -30V       | ±20V | 52   | 87   |      |  |  | 5.7  | 1.5 | 2.8 | -5    | 2        | 2    | Single P          | SOT-26        |
| EL98T03GPS-HF | 30V        | ±20V | 2.8  | 4    |      |  |  | 71   | 9   | 41  | 200   | 156      | 156  | single N          | TO-220,TO-263 |
| EL4539GM-HF   | 20V        | ±6V  | 11.5 | 13.5 |      |  |  | 16   | 2   | 5.5 | 10.4  | 2        | 2    | N+P               | SO-8          |
|               | -20        | ±12V | 23   | 30   |      |  |  | 28   | 3   | 9   | -7.5  |          |      |                   |               |
| EL90T03GS-HF  | 30V        | ±20V | 4    | 6    |      |  |  | 60   | 8.5 | 38  | 75    | 96       | 96   | single N          | TO-263        |
| EL0504GH-HF   | 40V        | ±20V | 6.3  | 8.5  |      |  |  | 14.5 | 4   | 8   | 66    | 44.6     | 44.6 | Single N          | TO-252        |
| EL0504GMT-HF  | 40V        | ±20V | 5.5  | 8    |      |  |  | 20   | 4   | 11  | 75    | 5        | 5    | Single N          | PMPAK 5x6     |
| EL0704GMT-HF  | 40V        | ±20V | 7    | 10.5 |      |  |  | 14   | 4   | 8   | 62    | 5        | 5    | Single N          | PMPAK 5x6     |
| EL0904GH-HF   | 40V        | ±20V | 10   | 15   |      |  |  | 9    | 2   | 6   | 51    | 44.6     | 44.6 | Single N          | TO-252        |
| EL0904GJ-HF   | 40V        | ±20V | 10   | 15   |      |  |  | 9    | 2   | 6   | 51    | 44.6     | 44.6 | Single N          | TO-251        |
| EL0904GMT-HF  | 40V        | ±20V | 9.5  | 15   |      |  |  | 9    | 2   | 6   | 46    | 5        | 5    | Single N          | PMPAK 5x6     |
| EL2321GN-HF   | -40V       | ±20V | 75   | 120  |      |  |  | 6    | 1.5 | 3   | -3.1  | 1.38     | 1.38 | Single P          | SOT-23        |
| EL2310GG-HF   | 60V        | ±20V | 90   | 120  |      |  |  | 6.5  | 1.5 | 3.5 | 2.7   | 1.25     | 1.25 | Single N          | SOT-89        |
| EL2310GN      | 60V        | ±20V | 90   | 120  |      |  |  | 6    | 1.6 | 3   | 3     | 1.38     | 1.38 | Single N          | SOT-23        |
| EL2311GN-HF   | -60V       | ±20V | 250  | 300  |      |  |  | 6    | 1   | 3   | -1.8  | 1.38     | 1.38 | Single P          | SOT-23        |
| EL2622GY      | 50V        | ±20V | 1800 | 3200 |      |  |  | 1    | 0.5 | 0.5 | 0.52  | 0.8      | 0.8  | Dual N            | SOT-26        |
| EL2N7002K-HF  | 60V        | ±20V | 2000 | 4000 |      |  |  | 1    | 0.5 | 0.5 | 0.45  | 0.7      | 0.7  | Single N          | SOT-23        |
| EL2R403GMT-HF | 30V        | ±20V | 2.4  | 3.8  |      |  |  | 20.5 | 5.3 | 11  | 130   | 62.5     | 62.5 | Single N          | PMPAK 5x6     |
| EL3402GEH     | 35V        | ±20V | 18   | 32   |      |  |  | 10.5 | 4   | 6   | 38    | 34.7     | 34.7 | Single N          | TO-252        |
| EL3402GEJ     | 35V        | ±20V | 18   | 32   |      |  |  | 10.5 | 4   | 6   | 38    | 34.7     | 34.7 | Single N          | TO-251        |
| EL3R604GH     | 40V        | ±20V | 3.7  | 5.6  |      |  |  | 28   | 5.3 | 16  | 75    | 104      | 104  | Single N          | TO-252        |
| EL3R604GMT-HF | 40V        | ±20V | 3.6  | 5    |      |  |  | 26   | 6   | 14  | 120   | 5        | 5    | Single N          | PMPAK 5x6     |
| EL4409GEM     | -35V       | ±20V | 7.5  | 15   |      |  |  | 55   | 10  | 30  | -14.5 | 2.5      | 2.5  | Single P          | SO-8          |
| EL4409AGEM    | -35V       | ±20V | 7.5  |      |      |  |  | 58   | 7   | 37  | -14.5 | 2.5      | 2.5  | Single P          | SO-8          |
| EL4420GJ      | 35V        | ±20V | 10   | 24   |      |  |  | 16   | 6   | 9.5 | 52    | 45       | 45   | Single N          | TO-251        |
| EL4420GH      | 35V        | ±20V | 10   | 24   |      |  |  | 16   | 6   | 9.5 | 52    | 45       | 45   | Single N          | TO-252        |
| EL4419GJ      | -35V       | ±20V | 38   | 68   |      |  |  | 12   | 3   | 8   | -25   | 34.7     | 34.7 | Single P          | TO-251        |
| EL4419GH      | -35V       | ±20V | 38   | 68   |      |  |  | 12   | 3   | 8   | -25   | 34.7     | 34.7 | Single P          | TO-252        |
| EL4418GJ      | 35V        | ±20V | 20   | 40   |      |  |  | 10   | 3   | 6   | 33    | 34.7     | 34.7 | Single N          | TO-251        |
| EL4418GH      | 35V        | ±20V | 20   | 40   |      |  |  | 10   | 3   | 6   | 33    | 34.7     | 34.7 | Single N          | TO-252        |

|              |      |      |     |     |  |  |  |     |     |     |      |       |                   |           |
|--------------|------|------|-----|-----|--|--|--|-----|-----|-----|------|-------|-------------------|-----------|
| EL4417GJ     | -35V | ±20V | 75  | 110 |  |  |  | 6   | 1.4 | 3.5 | -15  | 26    | Single P          | TO-251    |
| EL4417GH     | -35V | ±20V | 75  | 110 |  |  |  | 6   | 1.4 | 3.5 | -15  | 26    | Single P          | TO-252    |
| EL4416GH     | 35V  | ±20V | 45  | 65  |  |  |  | 6   | 2   | 3.5 | 20   | 26    | Single N          | TO-252    |
| EL4415GM     | -35V | ±25V | 32  | 50  |  |  |  | 11  | 2   | 6   | -7.3 | 2.5   | Single P          | SO-8      |
| EL4415GJ     | -35V | ±25V | 36  | 60  |  |  |  | 19  | 4.5 | 8   | -24  | 31.25 | Single P          | TO-251    |
| EL4415GH     | -35V | ±25V | 36  | 60  |  |  |  | 19  | 4.5 | 8   | -24  | 31.25 | Single P          | TO-252    |
| EL4425GM     | 35V  | ±20V | 9   | 13  |  |  |  | 23  | 3.7 | 15  | 13   | 2.5   | Single N          | SO-8      |
| EL4427GM     | 35V  | ±20V | 6.6 | 10  |  |  |  | 35  | 7   | 22  | 16   | 2.5   | Single N          | SO-8      |
| EL4429GM-HF  | 35V  | ±20V | 5   | 7   |  |  |  | 22  | 3.5 | 12  | 18   | 2.5   | Single N          | SO-8      |
| EL4430GM-HF  | 35V  | ±20V | 4.6 | 6.8 |  |  |  | 22  | 3.5 | 12  | 20   | 3.1   | Single N          | SO-8      |
| EL4425GM     | 35V  | ±20V | 9   | 13  |  |  |  | 23  | 3.7 | 15  | 13   | 2.5   | Single N          | SO-8      |
| EL4427GM     | 35V  | ±20V | 6.6 | 10  |  |  |  | 35  | 7   | 22  | 16   | 2.5   | Single N          | SO-8      |
| EL4511GD     | 35V  | ±20V | 25  | 37  |  |  |  | 11  | 3   | 6   | 7    | 2     | Complementary N-P | PDIP-8    |
| EL4511GD     | -35V | ±20V | 40  | 60  |  |  |  | 10  | 2   | 6   | -6.1 | 2     | Complementary N-P | PDIP-8    |
| EL4511GED    | 40V  | ±16V | 28  | 36  |  |  |  | 8.2 | 1.5 | 3.6 | 6    | 2     | Complementary N-P | PDIP-8    |
| EL4511GED    | -40V | ±16V | 42  | 60  |  |  |  | 9   | 2   | 5   | -5   | 2     | Complementary N-P | PDIP-8    |
| EL4511GED-HF | 40V  | ±16V | 28  | 36  |  |  |  | 8.2 | 1.5 | 3.6 | 6    | 2     | Complementary N-P | PDIP-8    |
| EL4511GED-HF | -40V | ±16V | 42  | 60  |  |  |  | 9   | 2   | 5   | -5   | 2     | Complementary N-P | PDIP-8    |
| EL4511GH     | 35V  | ±20V | 30  | 40  |  |  |  | 11  | 3   | 6   | 15   | 10.4  | Complementary N-P | TO-252-4L |
| EL4511GH     | -35V | ±20V | 48  | 70  |  |  |  | 10  | 2   | 6   | -12  | 10.4  | Complementary N-P | TO-252-4L |
| EL4511GH-A   | 35V  | ±20V | 27  | 36  |  |  |  | 11  | 3   | 6   | 8.6  | 3.125 | Complementary N-P | TO-252-4L |
| EL4511GH-A   | -35V | ±20V | 45  | 70  |  |  |  | 10  | 2   | 6   | -6.7 | 3.125 | Complementary N-P | TO-252-4L |
| EL4511GM     | 35V  | ±20V | 25  | 37  |  |  |  | 11  | 3   | 6   | 7    | 2     | Complementary N-P | SO-8      |
| EL4511GM     | -35V | ±20V | 40  | 60  |  |  |  | 10  | 2   | 6   | -6.1 | 2     | Complementary N-P | SO-8      |
| EL4513GD     | 35V  | ±20V | 36  | 60  |  |  |  | 6   | 2   | 3   | 5.8  | 2     | Complementary N-P | PDIP-8    |
| EL4513GD     | -35V | ±20V | 68  | 100 |  |  |  | 6   | 1   | 4   | -4.3 | 2     | Complementary N-P | PDIP-8    |
| EL4513GH     | 35V  | ±25V | 42  | 60  |  |  |  | 6   | 2   | 3   | 10   | 7.8   | Complementary N-P | TO-252-4L |
| EL4513GH     | -35V | ±20V | 42  | 60  |  |  |  | 6   | 2   | 3   | -8   | 7.8   | Complementary N-P | TO-252-4L |
| EL4513GH-A   | 35V  | ±20V | 32  | 54  |  |  |  | 6   | 2   | 3   | 7.7  | 3.125 | Complementary N-P | TO-252-4L |
| EL4513GH-A   | -35V | ±20V | 68  | 105 |  |  |  | 6   | 1.2 | 3   | -5.5 | 3.125 | Complementary N-P | TO-252-4L |
| EL4513GM-HF  | 35V  | ±20V | 36  | 60  |  |  |  | 6   | 2   | 3   | 5.8  | 2     | Complementary N-P | SO-8      |
| EL4513GM-HF  | -35V | ±20V | 68  | 100 |  |  |  | 6   | 1   | 4   | -4.3 | 2     | Complementary N-P | SO-8      |
| EL4515GM     | 35V  | ±20V | 22  | 36  |  |  |  | 11  | 3.5 | 6   | 7.7  | 2     | Complementary N-P | SO-8      |
| EL4515GM     | -35V | ±12V | 40  | 70  |  |  |  | 10  | 2   | 6   | -5.7 | 2     | Complementary N-P | SO-8      |
| EL4519GED    | 35V  | ±20V | 32  | 48  |  |  |  | 10  | 3   | 5   | 6.2  | 2     | Complementary N-P | PDIP-8    |
| EL4519GED    | -35V | ±20V | 64  | 90  |  |  |  | 9   | 2   | 4   | -5   | 2     | Complementary N-P | PDIP-8    |

|              |      |      |    |     |  |  |  |      |     |     |      |       |                   |           |
|--------------|------|------|----|-----|--|--|--|------|-----|-----|------|-------|-------------------|-----------|
| EL4521GEH    | 40V  | ±16V | 36 | 42  |  |  |  | 7.4  | 1.6 | 3.5 | 11.7 | 9     | Complementary N-P | TO-252-4L |
| EL4521GEH    | -40V | ±20V | 72 | 92  |  |  |  | 7.3  | 1.3 | 3.6 | -8.7 | 9     | Complementary N-P | TO-252-4L |
| EL4521GEM    | 40V  | ±16V | 36 | 42  |  |  |  | 7.5  | 1.5 | 3.3 | 5.8  | 2     | Complementary N-P | SO-8      |
| EL4521GEM    | -40V | ±20V | 72 | 92  |  |  |  | 7    | 1.3 | 3.5 | -4.2 | 2     | Complementary N-P | SO-8      |
| EL4523GD     | 40V  | ±10V | 40 | 50  |  |  |  | 7    | 2   | 3   | 5.6  | 2     | Complementary N-P | PDIP-8    |
| EL4523GD     | -40V | ±20V | 52 | 80  |  |  |  | 11   | 3   | 6   | -5.1 | 2     | Complementary N-P | PDIP-8    |
| EL4523GH     | 40V  | ±10V | 45 | 60  |  |  |  | 8    | 2   | 4   | 13   | 7.8   | Complementary N-P | TO-252-4L |
| EL4523GH     | -40V | ±20V | 60 | 75  |  |  |  | 12   | 2   | 6   | -11  | 7.8   | Complementary N-P | TO-252-4L |
| EL4523GM     | 40V  | ±10V | 30 | 40  |  |  |  | 9    | 2   | 4   | 6.8  | 2     | Complementary N-P | SO-8      |
| EL4523GM     | -40V | ±20V | 52 | 70  |  |  |  | 12   | 2   | 6   | -5.1 | 2     | Complementary N-P | SO-8      |
| EL4525GEH    | 40V  | ±16V | 28 | 32  |  |  |  | 9    | 1.5 | 4   | 15   | 10.4  | Complementary N-P | TO-252-4L |
| EL4525GEH    | -40V | ±16V | 42 | 60  |  |  |  | 9    | 2   | 5   | -12  | 10.4  | Complementary N-P | TO-252-4L |
| EL4525GEM-HF | 40V  | ±16V | 28 | 32  |  |  |  | 8    | 1.5 | 4   | 6    | 2     | Complementary N-P | SO-8      |
| EL4525GEM-HF | -40V | ±16V | 42 | 60  |  |  |  | 9    | 2   | 5   | -5   | 2     | Complementary N-P | SO-8      |
| EL4526AGH-HF | 40V  | ±20V | 32 | 52  |  |  |  | 8    | 2   | 4.5 | 7.7  | 3.13  | Complementary N-P | TO-252-4L |
| EL4526AGH-HF | -40V | ±20V | 42 | 60  |  |  |  | 13.5 | 2.5 | 7.5 | -6.7 | 3.13  | Complementary N-P | TO-252-4L |
| EL4526GH     | 40V  | ±20V | 32 | 52  |  |  |  | 7.7  | 1.5 | 4.5 | 7.6  | 3.125 | Complementary N-P | TO-252-4L |
| EL4526GH     | -40V | ±20V | 42 | 60  |  |  |  | 12   | 2   | 6.6 | -6.6 | 3.125 | Complementary N-P | TO-252-4L |
| EL4527GH     | 40V  | ±20V | 32 | 52  |  |  |  | 7.7  | 1.5 | 4.5 | 7.6  | 3.125 | Complementary N-P | TO-252-4L |
| EL4527GH     | -40V | ±20V | 52 | 90  |  |  |  | 8    | 1.7 | 4.7 | -6.1 | 3.125 | Complementary N-P | TO-252-4L |
| EL4528GH     | 40V  | ±20V | 32 | 45  |  |  |  | 6.7  | 1.3 | 3.4 | 7.4  | 3.125 | Complementary N-P | TO-252-4L |
| EL4528GH     | -40V | ±20V | 52 | 90  |  |  |  | 8    | 1.7 | 4.7 | -6.1 | 3.125 | Complementary N-P | TO-252-4L |
| EL4528GM     | 40V  | ±20V | 36 | 52  |  |  |  | 7    | 1.2 | 3.4 | 5.8  | 2     | Complementary N-P | SO-8      |
| EL4528GM     | -40V | ±20V | 60 | 98  |  |  |  | 8    | 2   | 4.7 | -4.5 | 2     | Complementary N-P | SO-8      |
| EL4529GH     | 40V  | ±20V | 32 | 45  |  |  |  | 6.7  | 1.3 | 3.4 | 7.4  | 3.125 | Complementary N-P | TO-252-4L |
| EL4529GH     | -40V | ±20V | 42 | 60  |  |  |  | 12   | 2   | 6.6 | -6.6 | 3.125 | Complementary N-P | TO-252-4L |
| EL4530GH     | 40V  | ±20V | 32 | 45  |  |  |  | 6.7  | 1.3 | 3.4 | 7.4  | 3.125 | Complementary N-P | TO-252-4L |
| EL4530GH     | -40V | ±20V | 64 | 95  |  |  |  | 8    | 1.6 | 4.5 | -5.5 | 3.125 | Complementary N-P | TO-252-4L |
| EL4530GM     | 40V  | ±20V | 36 | 50  |  |  |  | 7    | 1.2 | 3.4 | 5.7  | 2     | Complementary N-P | SO-8      |
| EL4530GM     | -40V | ±20V | 68 | 100 |  |  |  | 8    | 1.6 | 4.3 | -4.2 | 2     | Complementary N-P | SO-8      |
| EL4531GH     | 40V  | ±20V | 32 | 45  |  |  |  | 6.7  | 1.3 | 3.4 | 7.4  | 3.125 | Complementary N-P | TO-252-4L |
| EL4531GH     | -40V | ±20V | 90 | 130 |  |  |  | 6.4  | 1.4 | 3.5 | -4.7 | 3.125 | Complementary N-P | TO-252-4L |
| EL4531GM     | 40V  | ±20V | 36 | 52  |  |  |  | 7    | 1.2 | 3.4 | 5.8  | 2     | Complementary N-P | SO-8      |
| EL4531GM     | -40V | ±20V | 90 | 135 |  |  |  | 6.3  | 1.4 | 3.5 | -3.6 | 2     | Complementary N-P | SO-8      |
| EL4543GEH-HF | 40V  | ±20V | 24 | 36  |  |  |  | 8    | 1.7 | 4.4 | 8.7  | 3.13  | Complementary N-P | TO-252    |
| EL4543GEH-HF | -40V | ±20V | 40 | 65  |  |  |  | 13   | 2   | 8.5 | -7   | 3.13  | Complementary N-P | TO-252    |

|              |      |      |      |     |  |  |  |  |      |     |     |      |       |                   |           |
|--------------|------|------|------|-----|--|--|--|--|------|-----|-----|------|-------|-------------------|-----------|
| EL4543GEM-HF | 40V  | ±20V | 25   | 38  |  |  |  |  | 7.5  | 2   | 3.7 | 7    | 2     | Complementary N-P | SO-8      |
| EL4543GEM-HF | -40V | ±20V | 42   | 65  |  |  |  |  | 11.5 | 2   | 7   | -5.5 | 2     | Complementary N-P | SO-8      |
| EL4563AGH-HF | 40V  | ±20V | 20   | 30  |  |  |  |  | 13.5 | 3   | 8   | 9.6  | 3.13  | Complementary N-P | TO-252-4L |
| EL4563AGH-HF | -40V | ±20V | 38   | 48  |  |  |  |  | 17.5 | 3.5 | 10  | -7.3 | 3.13  | Complementary N-P | TO-252-4L |
| EL4563GH     | 40V  | ±20V | 30   | 40  |  |  |  |  | 10   | 4   | 5   | 30   | 39    | Complementary N-P | TO-252-4L |
| EL4563GH     | -40V | ±20V | 36   | 48  |  |  |  |  | 18   | 4   | 11  | -27  | -41.7 | Complementary N-P | TO-252-4L |
| EL4563GM     | 40V  | ±20V | 30   | 40  |  |  |  |  | 10   | 4   | 5   | 6.7  | 2     | Complementary N-P | SO-8      |
| EL4563GM     | -40V | ±20V | 36   | 48  |  |  |  |  | 20   | 4   | 11  | 6    | 2     | Complementary N-P | SO-8      |
| EL4565GM     | 40V  | ±20V | 25   | 32  |  |  |  |  | 17   | 4   | 10  | 7.6  | 2     | Complementary N-P | SO-8      |
| EL4565GM     | -40V | ±20V | 33   | 42  |  |  |  |  | 20   | 4   | 10  | -6.5 | 2     | Complementary N-P | SO-8      |
| EL4569GH     | 40V  | ±20V | 42   | 60  |  |  |  |  | 6    | 1.2 | 3.2 | 10.5 | 8     | Complementary N-P | TO-252-4L |
| EL4569GD     | -40V | ±20V | 90   | 130 |  |  |  |  | 7    | 1.6 | 4   | -3.8 | 2     | Complementary N-P | PDIP-8    |
| EL4569GD     | 40V  | ±20V | 52   | 75  |  |  |  |  | 6    | 2   | 3   | 4.8  | 2     | Complementary N-P | PDIP-8    |
| EL9469GM     | 40V  | ±20V | 50   | 72  |  |  |  |  | 6    | 2   | 3   | 5.5  | 2.5   | Single N          | SO-8      |
| EL9470GM-HF  | 40V  | ±20V | 13.5 | 36  |  |  |  |  | 11   | 3.3 | 6.6 | 10.2 | 2.5   | Single N          | SO-8      |
| EL9474GM     | 60V  | ±20V | 10.5 |     |  |  |  |  | 51   | 5.5 | 17  | 12.8 | 2.5   | Single N          | SO-8      |
| EL9475GM     | 60V  | ±25V | 40   | 50  |  |  |  |  | 19   | 5   | 10  | 6.9  | 2.5   | Single N          | SO-8      |
| EL9476GM-HF  | 60V  | ±20V | 21   | 45  |  |  |  |  | 30   | 5   | 10  | 7.8  | 2.5   | Single N          | SO-8      |
| EL9477GK-HF  | 60V  | ±20V | 90   | 110 |  |  |  |  | 6.5  | 1.5 | 3.5 | 4.1  | 2.8   | Single N          | SOT-223   |
| EL9477GM     | 60V  | ±25V | 90   | 120 |  |  |  |  | 6    | 2   | 3   | 4    | 2.5   | Single N          | SO-8      |
| EL9478GM     | 60V  | ±25V | 64   | 72  |  |  |  |  | 9    | 2   | 5   | 4.8  | 2.5   | Single N          | SO-8      |
| EL9479GM-HF  | 60V  | ±25V | 45   | 60  |  |  |  |  | 11   | 2.7 | 6   | 5.6  | 2.5   | Single N          | SO-8      |
| EL4569GH     | -40V | ±20V | 75   | 100 |  |  |  |  | 7.3  | 1.3 | 3.6 | -8   | 8     | Complementary N-P | TO-252-4L |
| EL9560GH-HF  | -40V | ±20V | 12   | 16  |  |  |  |  | 42   | 6   | 24  | -52  | 54.3  | Single P          | TO-252    |
| EL9560GP-HF  | -40V | ±20V | 12.5 | 16  |  |  |  |  | 42   | 6   | 24  | -51  | 54.3  | Single P          | TO-220    |
| EL9561GH-HF  | -40V | ±20V | 16   | 28  |  |  |  |  | 25   | 4.4 | 18  | -45  | 54.3  | Single P          | TO-252    |
| EL9561GI-HF  | -40V | ±20V | 16   | 28  |  |  |  |  | 25   | 5   | 17  | -36  | 33.7  | Single P          | TO-220CFM |
| EL4569GM     | 40V  | ±20V | 36   | 60  |  |  |  |  | 7    | 1.2 | 3.4 | 5.8  | 2     | Complementary N-P | SO-8      |
| EL9561GJ-HF  | -40V | ±20V | 16   | 28  |  |  |  |  | 25   | 4.4 | 18  | -45  | 54.3  | Single P          | TO-251    |
| EL9561GM     | -40V | ±20V | 18   | 30  |  |  |  |  | 26   | 4   | 17  | -9.4 | 2.5   | Single P          | SO-8      |
| EL9561GP-HF  | -40V | ±20V | 16   | 28  |  |  |  |  | 25   | 4.4 | 18  | -45  | 54.3  | Single P          | TO-220    |
| EL9562GP-HF  | -40V | ±20V | 32   | 50  |  |  |  |  | 15   | 3   | 9   | -27  | 39    | Single P          | TO-220    |
| EL9563GH     | -40V | ±25V | 40   | 60  |  |  |  |  | 16   | 2.5 | 9   | -26  | 39    | Single P          | TO-252    |
| EL9563GH-HF  | -40V | ±25V | 40   | 60  |  |  |  |  | 16   | 2.5 | 9   | -26  | 39    | Single P          | TO-252    |
| EL9563GJ     | -40V | ±25V | 40   | 60  |  |  |  |  | 16   | 2.5 | 9   | -26  | 39    | Single P          | TO-251    |
| EL9563GJ-HF  | -40V | ±25V | 40   | 60  |  |  |  |  | 16   | 2.5 | 9   | 26   | 39    | Single P          | TO-251    |

|              |      |      |      |     |  |  |  |  |      |     |     |       |      |          |           |
|--------------|------|------|------|-----|--|--|--|--|------|-----|-----|-------|------|----------|-----------|
| EL9563GK     | -40V | ±25V | 40   | 60  |  |  |  |  | 20   | 4   | 10  | 6.8   | 2.8  | Single P | SOT-223   |
| EL9563GM-HF  | -40V | ±25V | 40   | 60  |  |  |  |  | 19   | 5   | 8   | -6    | 2.5  | Single P | SO-8      |
| EL9564GM     | -40V | ±25V | 28   | 40  |  |  |  |  | 27   | 6   | 14  | -7.3  | 2.5  | Single P | SO-8      |
| EL9565AGH    | -40V | ±20V | 40   | 60  |  |  |  |  | 12   | 2.3 | 6.9 | -18.5 | 25   | Single P | TO-252    |
| EL9560GP-HF  | -40V | ±20V | 12.5 | 16  |  |  |  |  | 42   | 6   | 24  | 51    | 54.3 | Single P | TO-220    |
| EL9561GJ-HF  | -40V | ±20V | 16   | 28  |  |  |  |  | 25   | 4.4 | 18  | -45   | 54.3 | Single P | TO-251    |
| EL9561GM     | -40V | ±20V | 18   | 30  |  |  |  |  | 26   | 4   | 17  | -9.4  | 25   | Single P | SO-8      |
| EL9562GP-HF  | -40V | ±20V | 32   | 50  |  |  |  |  | 15   | 3   | 9   | 27    | 39   | Single P | TO-220    |
| EL9563GH     | -40V | ±25V | 40   | 60  |  |  |  |  | 16   | 2.5 | 9   | -26   | 39   | Single P | TO-252    |
| EL9563GH-HF  | -40V | ±25V | 40   | 60  |  |  |  |  | 16   | 2.5 | 9   | -26   | 39   | Single P | TO-252    |
| EL9563GJ     | -40V | ±25V | 40   | 60  |  |  |  |  | 16   | 2.5 | 9   | -26   | 39   | Single P | TO-251    |
| EL9563GJ-HF  | -40V | ±25V | 40   | 60  |  |  |  |  | 16   | 2.5 | 9   | -16   | 39   | Single P | TO-251    |
| EL9563GM-HF  | -40V | ±25V | 40   | 60  |  |  |  |  | 19   | 5   | 8   | -6    | 2.5  | Single P | SO-8      |
| EL9564GM     | -40V | ±25V | 28   | 40  |  |  |  |  | 27   | 6   | 14  | -7.3  | 2.5  | Single P | SO-8      |
| EL9565AGH    | -40V | ±20V | 42   | 60  |  |  |  |  | 12   | 2.3 | 6.9 | -18.5 | 25   | Single P | TO-252    |
| EL9565AGJ    | -40V | ±20V | 42   | 60  |  |  |  |  | 12   | 2.3 | 6.9 | -18.5 | 25   | Single P | TO-251    |
| EL9565BGH-HF | -40V | ±20V | 52   | 90  |  |  |  |  | 7.8  | 1.7 | 4.8 | -17   | 25   | Single P | TO-252    |
| EL9565BGJ-HF | -40V | ±20V | 52   | 90  |  |  |  |  | 7.8  | 1.7 | 4.8 | 17    | 25   | Single P | TO-251    |
| EL9565GEH    | -40V | ±16V | 38   | 58  |  |  |  |  | 10   | 2   | 6   | -24   | 35.7 | Single P | TO-252    |
| EL9565GEJ    | -40V | ±16V | 38   | 58  |  |  |  |  | 10   | 2   | 6   | -24   | 35.7 | Single P | TO-251    |
| EL9565GEM    | -40V | ±16V | 38   | 48  |  |  |  |  | 12.8 | 2.1 | 6.3 | -6.5  | 2.5  | Single P | SO-8      |
| EL9566GH     | -40V | ±20V | 65   | 100 |  |  |  |  | 6.5  | 1.6 | 3.6 | -13.5 | 20.8 | Single P | TO-252    |
| EL9566GM     | -40V | ±20V | 72   | 100 |  |  |  |  | 6.5  | 1.7 | 3.5 | -4.5  | 2.5  | Single P | SO-8      |
| EL9567GH-HF  | -40V | ±25V | 50   | 70  |  |  |  |  | 12   | 2.5 | 7   | -22   | 34.7 | Single P | TO-252    |
| EL9569GH-HF  | -40V | ±20V | 90   | 130 |  |  |  |  | 7    | 2   | 4   | -14   | 26   | Single P | TO-252    |
| EL9569GJ-HF  | -40V | ±20V | 90   | 130 |  |  |  |  | 7    | 2   | 4   | -14   | 26   | Single P | TO-251    |
| EL9569GM     | -40V | ±20V | 90   | 130 |  |  |  |  | 8    | 1.6 | 4   | -4.2  | 2.5  | Single P | SO-8      |
| EL9573GH-HF  | -60V | ±20V | 95   | 150 |  |  |  |  | 9    | 1.5 | 6   | -13.5 | 31   | Single P | TO-252    |
| EL9575AGH-HF | -60V | ±30V | 64   |     |  |  |  |  | 35   | 5   | 12  | -17   | 36   | Single P | TO-252    |
| EL9575AGI-HF | -60V | ±20V | 64   |     |  |  |  |  | 35   | 5   | 12  | 17    | 31.3 | Single P | TO-220CFM |
| EL9575AGJ-HF | -60V | ±30V | 64   |     |  |  |  |  | 35   | 5   | 12  | -17   | 36   | Single P | TO-251    |
| EL9575GH     | -60V | ±25V | 90   | 120 |  |  |  |  | 14   | 3   | 8   | -15   | 31.3 | Single P | TO-252    |
| EL9575GH-HF  | -60V | ±25V | 90   | 120 |  |  |  |  | 14   | 3   | 8   | -15   | 31.3 | Single P | TO-252    |
| EL9575GI     | -60V | ±20V | 70   | 90  |  |  |  |  | 14   | 3   | 8   | -16   | 31.3 | Single P | TO-220CFM |
| EL9575GJ     | -60V | ±25V | 90   | 120 |  |  |  |  | 14   | 3   | 8   | -15   | 31.3 | Single P | TO-251    |
| EL9575GJ-HF  | -60V | ±25V | 90   | 120 |  |  |  |  | 14   | 3   | 8   | -15   | 31.3 | Single P | TO-251    |



|              |      |      |      |     |  |  |  |      |     |     |      |      |                   |           |
|--------------|------|------|------|-----|--|--|--|------|-----|-----|------|------|-------------------|-----------|
| EL9575GM     | -60V | ±25V | 90   | 120 |  |  |  | 14   | 3.3 | 8   | -4   | 2.5  | Single P          | SO-8      |
| EL9575GP-HF  | -60V | ±25V | 70   | 90  |  |  |  | 14   | 3   | 8   | -16  | 31.3 | Single P          | TO-220    |
| EL9575GS-HF  | -60V | ±25V | 70   | 90  |  |  |  | 14   | 3   | 8   | -16  | 31.3 | Single P          | TO-263    |
| EL9576GH     | -60V | ±20V | 100  | 120 |  |  |  | 14   | 3   | 6   | -14  | 36.8 | Single P          | TO-252    |
| EL9576GJ     | -60V | ±20V | 100  | 120 |  |  |  | 14   | 3   | 6   | -14  | 36.8 | Single P          | TO-251    |
| EL4569GM     | -40V | ±20V | 68   | 100 |  |  |  | 7    | 1.3 | 3.5 | -4.2 | 2    | Complementary N-P | SO-8      |
| EL4575GM-HF  | 60V  | ±20V | 36   | 42  |  |  |  | 18   | 5   | 10  | 6    | 2    | Complementary N-P | SO-8      |
| EL4575GM-HF  | -60V | ±20V | 72   | 88  |  |  |  | 21   | 5   | 9   | -4.2 | 2    | Complementary N-P | SO-8      |
| EL4578GD     | 60V  | ±20V | 64   | 80  |  |  |  | 9    | 3   | 4   | 4.5  | 2    | Complementary N-P | PDIP-8    |
| EL4578GD     | -60V | ±20V | 125  | 150 |  |  |  | 12   | 2   | 6   | -3   | 2    | Complementary N-P | PDIP-8    |
| EL4578GH     | 60V  | ±25V | 72   | 90  |  |  |  | 9    | 2   | 5   | 9    | 8.9  | Complementary N-P | TO-252-4L |
| EL4578GH     | -60V | ±25V | 125  | 150 |  |  |  | 13   | 3   | 6   | -6   | 8.9  | Complementary N-P | TO-252-4L |
| EL4578GM-HF  | 60V  | ±20V | 64   | 80  |  |  |  | 9    | 3   | 4   | 4.5  | 2    | Complementary N-P | SO-8      |
| EL4578GM-HF  | -60V | ±20V | 125  | 150 |  |  |  | 12   | 2   | 6   | -3   | 2    | Complementary N-P | SO-8      |
| EL9576GM     | -60V | ±25V | 90   | 120 |  |  |  | 13   | 2   | 5   | -4   | 2.5  | Single P          | SO-8      |
| EL9578GH     | -60V | ±25V | 160  | 200 |  |  |  | 9    | 2   | 5   | -10  | 28   | Single P          | TO-252    |
| EL9578GJ     | -60V | ±25V | 160  | 200 |  |  |  | 10   | 2   | 4   | -10  | 28   | Single P          | TO-251    |
| EL9578GM     | -60V | ±25V | 170  | 200 |  |  |  | 9    | 2   | 3   | -3   | 2.5  | Single P          | SO-8      |
| EL9578GP     | -60V | ±25V | 160  | 200 |  |  |  | 10   | 2   | 4   | -10  | 28   | Single P          | TO-220    |
| EL9578GS     | -60V | ±25V | 160  | 200 |  |  |  | 9    | 2   | 5   | -10  | 28   | Single P          | TO-263    |
| EL9579GP-HF  | -60V | ±20V | 25   | 30  |  |  |  | 45   | 7.5 | 26  | -45  | 2    | Single P          | TO-220    |
| EL9579GS-HF  | -60V | ±20V | 25   | 30  |  |  |  | 45   | 7.5 | 26  | -45  | 3.13 | Single P          | TO-263    |
| EL95T06AGP   | 60V  | ±20V | 8.5  | 12  |  |  |  | 40   | 11  | 27  | 75   | 138  | Single N          | TO-220    |
| EL95T06BGP   | 60V  | ±20V | 9    |     |  |  |  | 56   | 16  | 24  | 75   | 138  | Single N          | TO-220    |
| EL95T06GP-HF | 60V  | ±20V | 8.5  | 12  |  |  |  | 72   | 16  | 53  | 75   | 138  | Single N          | TO-220    |
| EL95T06GS-HF | 60V  | ±20V | 8.5  | 12  |  |  |  | 72   | 16  | 53  | 75   | 138  | Single N          | TO-263    |
| EL9578GM     | -60V | ±25V | 170  | 200 |  |  |  | 9    | 2   | 3   | -3   | 2.5  | Single P          | SO-8      |
| EL9578GP     | -60V | ±25V | 160  | 200 |  |  |  | 10   | 2   | 4   | -10  | 28   | Single P          | TO-220    |
| EL9578GS     | -60V | ±25V | 160  | 200 |  |  |  | 9    | 2   | 5   | -10  | 28   | Single P          | TO-263    |
| EL9579GI-HF  | -60V | ±20V | 25   | 30  |  |  |  | 45   | 7.5 | 26  | 26.8 | 1.92 | Single P          | TO-220CFM |
| EL9579GP-HF  | -60V | ±20V | 25   | 30  |  |  |  | 45   | 7.5 | 26  | -45  | 2    | Single P          | TO-220    |
| EL4951GM     | -60V | ±20V | 96   | 120 |  |  |  | 29.5 | 3   | 7   | -3.4 | 2    | Dual P            | SO-8      |
| EL6677GH     | -40V | ±20V | 12.3 | 18  |  |  |  | 44   | 6   | 28  | -60  | 69   | Single P          | TO-252    |
| EL6679GP-A   | -40V | ±25V | 13.5 | 20  |  |  |  | 43   | 7   | 26  | -65  | 89   | Single P          | TO-220    |
| EL6679GS-A   | -40V | ±25V | 13.5 | 20  |  |  |  | 43   | 7   | 26  | -65  | 89   | Single P          | TO-263    |
| EL6905GH-HF  | 40V  | ±20V | 13   | 22  |  |  |  | 9.5  | 2   | 6   | 37   | 3    | Dual N            | SDPAK     |

|              |      |      |      |     |  |  |  |      |      |     |      |      |   |                   |           |
|--------------|------|------|------|-----|--|--|--|------|------|-----|------|------|---|-------------------|-----------|
| EL6906GH-HF  | 60V  | ±20V | 40   | 60  |  |  |  |      | 8    | 2   | 5    | 16.4 | 3 | Dual N            | SDPAK     |
| EL9770GT-HF  | -60V | ±20V | 500  | 800 |  |  |  | 6.8  | 1.6  | 3.2 | -1.5 | 0.83 |   | Single P          | TO-92     |
| EL9870GH-HF  | 60V  | ±20V | 42   | 60  |  |  |  | 8    | 2    | 5   | 18   | 27.8 |   | SingleN           | TO-252    |
| EL9871GH-HF  | 60V  | ±20V | 72   | 100 |  |  |  | 6.4  | 2    | 4   | 9.6  | 2    |   | Single N          | TO-252    |
| EL98T06GI-HF | 60V  | ±20V | 5    |     |  |  |  | 88   | 14   | 43  | 67   | 41.6 |   | Single N          | TO-220CFM |
| EL98T06GP    | 60V  | ±20V | 5    |     |  |  |  | 92   | 12   | 45  | 80   | 250  |   | Single N          | TO-220    |
| EL98T06GS-HF | 60V  | ±20V | 5    |     |  |  |  | 92   | 12   | 45  | 80   | 250  |   | Single N          | TO-263    |
| EL9934GM     | -35V | ±20V | 72   | 100 |  |  |  | 6    | 1    | 3   | -3.6 | 1.38 |   | Complementary N-P | SO-8      |
| EL9960AGM-HF | 40V  | ±20V | 16   | 30  |  |  |  | 11   | 3.5  | 5.5 | 8.7  | 2    |   | Dual N            | SO-8      |
| EL9960GD     | 40V  | ±20V | 25   | 40  |  |  |  | 14.7 | 7.1  | 6.8 | 7    | 2    |   | Dual N            | PDIP-8    |
| EL9960GH     | 40V  | ±20V | 16   | 25  |  |  |  | 18   | 6    | 12  | 42   | 45   |   | Single N          | TO-252    |
| EL9960GJ     | 40V  | ±20V | 16   | 25  |  |  |  | 18   | 6    | 12  | 42   | 45   |   | Single N          | TO-251    |
| EL9960GM-HF  | 40V  | ±20V | 20   | 32  |  |  |  | 14.7 | 7.1  | 6.8 | 7.8  | 2    |   | Dual N            | SO-8      |
| EL9962AGD    | 40V  | ±20V | 25   | 40  |  |  |  | 12   | 2.5  | 7.4 | 7    | 2    |   | Dual N            | PDIP-8    |
| EL9962AGH    | 40V  | ±20V | 20   | 30  |  |  |  | 12   | 2.7  | 7.8 | 32   | 27.8 |   | Single N          | TO-252    |
| EL9962AGJ-HF | 40V  | ±20V | 20   | 30  |  |  |  | 12   | 2.7  | 7.8 | 32   | 27.8 |   | Single N          | TO-251    |
| EL9962AGM    | 40V  | ±20V | 25   | 40  |  |  |  | 12   | 2.5  | 7.4 | 7    | 2    |   | Dual N            | SO-8      |
| EL9962AGM-HF | 40V  | ±20V | 25   | 40  |  |  |  | 12   | 2.5  | 7.4 | 7    | 2    |   | Dual N            | SO-8      |
| EL9962AGP    | 40V  | ±20V | 20   | 30  |  |  |  | 12   | 2.7  | 7.8 | 32   | 27.8 |   | Single N          | TO-220    |
| EL9962BGH-HF | 40V  | ±20V | 15   | 45  |  |  |  | 21   | 3.2  | 8.3 | 31   | 25   |   | Single N          | TO-252    |
| EL9962GH     | 40V  | ±20V | 20   | 30  |  |  |  | 13   | 5    | 8   | 32   | 34.7 |   | Single N          | TO-252    |
| EL9962GJ     | 40V  | ±20V | 20   | 30  |  |  |  | 13   | 5    | 8   | 32   | 34.7 |   | Single N          | TO-251    |
| EL9962GM     | 40V  | ±20V | 25   | 40  |  |  |  | 25.8 | 4.4  | 9.1 | 7    | 2    |   | Dual N            | SO-8      |
| EL9962GMA    | 40V  | ±20V | 20   | 30  |  |  |  | 14   | 3    | 9   | 36   | 37   |   | Single N          | APAK-5    |
| EL9962GM-HF  | 40V  | ±20V | 25   | 40  |  |  |  | 25.8 | 4.4  | 9.1 | 7    | 2    |   | Dual N            | SO-8      |
| EL9963GI-HF  | 40V  | ±20V | 4    | 6.5 |  |  |  | 25   | 6.5  | 14  |      |      |   | Single N          | TO-220CFM |
| EL9963GP-HF  | 40V  | ±20V | 4    | 5   |  |  |  | 28.5 | 5.5  | 17  | 160  | 187  |   | Single N          | TO-220    |
| EL9418GM     | 35V  | ±20V | 4    | 7   |  |  |  | 59   | 10.5 | 35  | 24   | 3.6  |   | Single N          | SO-8      |
| EL9431GH-HF  | 55V  | ±20V | 24   | 42  |  |  |  | 13   | 3.5  | 9   | 23.5 | 2.4  |   | Single N          | TO-252    |
| EL9465AGH    | 40V  | ±20V | 32   | 45  |  |  |  | 8    | 1.7  | 4.7 | 15   | 12.5 |   | Single N          | TO-252    |
| EL9465AGJ    | 40V  | ±20V | 32   | 45  |  |  |  | 8    | 1.7  | 4.7 | 15   | 12.5 |   | Single N          | TO-251    |
| EL9465BGH    | 40V  | ±20V | 32   | 45  |  |  |  | 6.6  | 1.5  | 4   | 20   | 20.8 |   | Single N          | TO-252    |
| EL9465BGJ    | 40V  | ±20V | 32   | 45  |  |  |  | 6.6  | 1.5  | 4   | 20   | 20.8 |   | Single N          | TO-251    |
| EL9465GEM    | 40V  | ±16V | 25   | 32  |  |  |  | 8.5  | 1.6  | 4.1 | 7.8  | 2.5  |   | Single N          | SO-8      |
| EL9466GH     | 40V  | ±20V | 13.5 | 21  |  |  |  | 13.5 | 2.6  | 9.4 | 40   | 36.7 |   | Single N          | TO-252    |
| EL9466GJ     | 40V  | ±20V | 13.5 | 21  |  |  |  | 13.5 | 2.6  | 9.4 | 40   | 36.7 |   | Single N          | TO-251    |

|               |     |      |      |    |  |  |  |      |     |      |      |       |          |           |
|---------------|-----|------|------|----|--|--|--|------|-----|------|------|-------|----------|-----------|
| EL9466GM      | 40V | ±20V | 13.5 | 21 |  |  |  | 14.4 | 2.4 | 9.2  | 10   | 2.5   | Single N | SO-8      |
| EL9466GS      | 40V | ±20V | 13.5 | 21 |  |  |  | 13.5 | 2.6 | 9.4  | 40   | 36.7  | Single N | TO-263    |
| EL9467AGH     | 40V | ±20V | 11.5 | 20 |  |  |  | 9.5  | 2   | 6.5  | 43   | 39    | Single N | TO-252    |
| EL9467AGH-HF  | 40V | ±20V | 11.5 | 20 |  |  |  | 9.5  | 2   | 6.5  | 43   | 39    | Single N | TO-252    |
| EL9467AGM     | 40V | ±20V | 11.5 | 20 |  |  |  | 9    | 2   | 5    | 11   | 2.5   | Single N | SO-8      |
| EL9467AGMT-HF | 40V | ±20V | 11.5 | 20 |  |  |  | 9    | 2   | 5    | 15.8 | 5     | Single N | PMPAK 5x6 |
| EL9467GH-HF   | 40V | ±20V | 10   | 18 |  |  |  | 18   | 3.2 | 13   | 52   | 44.6  | Single N | TO-252    |
| EL9467GJ-HF   | 40V | ±20V | 10   | 18 |  |  |  | 18   | 3.2 | 13   | 52   | 44.6  | Single N | TO-251    |
| EL9467GM      | 40V | ±20V | 13.5 | 21 |  |  |  | 18.3 | 2.9 | 11.5 | 12   | 2.5   | Single N | SO-8      |
| EL9467GS      | 40V | ±20V | 10   | 18 |  |  |  | 18   | 3.2 | 13   | 52   | 44.6  | Single N | TO-263    |
| EL9468GH      | 40V | ±20V | 7    | 9  |  |  |  | 36   | 4   | 20   | 75   | 89    | Single N | TO-252    |
| EL9468GJ      | 40V | ±20V | 7    | 9  |  |  |  | 36   | 4   | 20   | 75   | 89    | Single N | TO-251    |
| EL9468GM      | 40V | ±20V | 7    | 9  |  |  |  | 32   | 4   | 16   | 14.6 | 2.5   | Single N | SO-8      |
| EL9468GP-HF   | 40V | ±20V | 7    | 9  |  |  |  | 36   | 4   | 20   | 80   | 89    | Single N | TO-220    |
| EL9468GS      | 40V | ±20V | 7    | 9  |  |  |  | 36   | 4   | 20   | 80   | 89    | Single N | TO-263    |
| EL9469GH      | 40V | ±20V | 50   | 72 |  |  |  | 6    | 2   | 3    | 18   | 26    | Single N | TO-252    |
| EL9469GJ      | 40V | ±20V | 50   | 72 |  |  |  | 6    | 2   | 3    | 18   | 26    | Single N | TO-251    |
| EL9964GM      | 40V | ±20V | 16   | 21 |  |  |  | 20   | 5   | 11   | 9    | 2     | Dual N   | SO-8      |
| EL9965GEH     | 40V | ±16V | 28   | 32 |  |  |  | 8.5  | 1.6 | 4.1  | 27   | 31.25 | Single N | TO-252    |
| EL9965GEJ     | 40V | ±16V | 28   | 32 |  |  |  | 8.5  | 1.6 | 4.1  | 27   | 31.25 | Single N | TO-251    |
| EL9965GEM     | 40V | ±16V | 28   | 32 |  |  |  | 8.3  | 1.5 | 3.6  | 6.7  | 2     | Dual N   | SO-8      |
| EL9966GM-HF   | 40V | ±20V | 16.8 | 24 |  |  |  | 8.5  | 1.8 | 5    | 8.3  | 2     | Dual N   | SO-8      |
| EL9967GH-HF   | 40V | ±20V | 13.5 | 22 |  |  |  | 13.5 | 3.5 | 9    | 33   | 25    | Single N | TO-252    |
| EL9970GK      | 60V | ±20V | 50   | 60 |  |  |  | 11.5 | 2.5 | 6    | 5.8  | 2.8   | Single N | SOT-223   |
| EL9970GP-HF   | 60V | ±20V | 3.2  |    |  |  |  | 100  | 14  | 54   | 120  | 375   | Single N | TO-220    |
| EL9971AGD     | 60V | ±25V | 50   | 60 |  |  |  | 17.5 | 2   | 6.3  | 5    | 2     | Dual N   | PDIP-8    |
| EL9971AGH     | 60V | ±20V | 36   |    |  |  |  | 17   | 2.5 | 6.4  | 22   | 34.7  | Single N | TO-252    |
| EL9971AGJ     | 60V | ±20V | 36   |    |  |  |  | 17   | 2.5 | 6.4  | 22   | 34.7  | Single N | TO-251    |
| EL9971AGM     | 60V | ±25V | 50   | 60 |  |  |  | 17.5 | 2   | 6.3  | 5    | 2     | Dual N   | SO-8      |
| EL9971AGP     | 60V | ±20V | 36   |    |  |  |  | 17   | 2.5 | 6.4  | 22   | 34.7  | Single N | TO-220    |
| EL9971AGS     | 60V | ±20V | 36   |    |  |  |  | 17   | 2.5 | 6.4  | 22   | 34.7  | Single N | TO-263    |
| EL9971GD      | 60V | ±25V | 50   | 60 |  |  |  | 32.5 | 4.9 | 8.8  | 5    | 2     | Dual N   | PDIP-8    |
| EL9971GH      | 60V | ±20V | 36   | 50 |  |  |  | 18   | 6   | 11   | 25   | 39    | Single N | TO-252    |
| EL9971GI      | 60V | ±20V | 36   | 50 |  |  |  | 18   | 6   | 11   | 23   | 31.3  | Single N | TO-220CFM |
| EL9971GI-HF   | 60V | ±20V | 36   | 50 |  |  |  | 18   | 6   | 11   | 23   | 31.3  | Single N | TO-220CFM |
| EL9971GJ      | 60V | ±20V | 36   | 50 |  |  |  | 18   | 6   | 11   | 25   | 39    | Single N | TO-251    |

|              |     |      |      |     |  |  |  |    |      |     |     |       |   |          |           |
|--------------|-----|------|------|-----|--|--|--|----|------|-----|-----|-------|---|----------|-----------|
| EL9971GM-HF  | 60V | ±25V | 50   | 60  |  |  |  |    | 32.5 | 4.9 | 8.8 | 5     | 2 | Dual N   | SO-8      |
| EL9971GP-HF  | 60V | ±20V | 36   | 50  |  |  |  | 18 | 6    | 11  | 25  | 39    |   | Single N | TO-220    |
| EL9972AGI    | 60V | ±20V | 16   |     |  |  |  | 49 | 13   | 20  | 60  | 31.3  |   | Single N | TO-220CFM |
| EL9972AGP    | 60V | ±25V | 16   |     |  |  |  | 49 | 13   | 20  | 60  | 89    |   | Single N | TO-220    |
| EL9972GH-HF  | 60V | ±20V | 18   | 22  |  |  |  | 32 | 8    | 20  | 60  | 89.3  |   | Single N | TO-252    |
| EL9972GI     | 60V | ±25V | 18   | 22  |  |  |  | 35 | 9.5  | 20  | 35  | 31.3  |   | Single N | TO-220CFM |
| EL9972GP-HF  | 60V | ±25V | 18   | 22  |  |  |  | 32 | 8    | 20  | 60  | 89    |   | Single N | TO-220    |
| EL9972GR     | 60  | ±25V | 18   | 22  |  |  |  | 32 | 8    | 20  | 60  | 89    |   | Single N | TO-262    |
| EL9972GS-HF  | 60V | ±25V | 18   | 22  |  |  |  | 32 | 8    | 20  | 60  | 89    |   | Single N | TO-263    |
| EL9973GD     | 60V | ±20V | 80   | 100 |  |  |  | 8  | 2    | 4   | 3.9 | 2     |   | Dual N   | PDIP-8    |
| EL9973GH-HF  | 60V | ±20V | 80   | 100 |  |  |  | 8  | 3    | 4   | 14  | 27    |   | Single N | TO-252    |
| EL9973GI     | 60V | ±20V | 80   | 100 |  |  |  | 8  | 3    | 4   | 14  | 25    |   | Single N | TO-220CFM |
| EL9973GJ-HF  | 60V | ±20V | 80   | 100 |  |  |  | 8  | 3    | 4   | 14  | 27    |   | Single N | TO-251    |
| EL9973GM     | 60V | ±20V | 80   | 100 |  |  |  | 8  | 2    | 4   | 3.9 | 2     |   | Dual N   | SO-8      |
| EL9973GP     | 60V | ±20V | 80   | 100 |  |  |  | 8  | 3    | 4   | 14  | 27    |   | Single N | TO-220    |
| EL9973GS     | 60V | ±20V | 80   | 100 |  |  |  | 8  | 3    | 4   | 14  | 27    |   | Single N | TO-263    |
| EL9974AGH-HF | 60V | ±20V | 12   | 15  |  |  |  | 28 | 5    | 19  | 68  | 104   |   | Single N | TO-252    |
| EL9974AGP    | 60V | ±20V | 12   | 15  |  |  |  | 28 | 5    | 19  | 68  | 104   |   | Single N | TO-220    |
| EL9974AGS-HF | 60V | ±20V | 12   | 18  |  |  |  | 26 | 6    | 18  | 68  | 104   |   | Single N | TO-263    |
| EL9974BGP    | 60V | ±20V | 13.5 |     |  |  |  | 52 | 13   | 20  | 65  | 104   |   | Single N | TO-220    |
| EL9974GH-HF  | 60V | ±20V | 10.5 | 15  |  |  |  | 43 | 8    | 31  | 74  | 104   |   | Single N | TO-252    |
| EL9974GJ-HF  | 60V | ±20V | 10.5 | 15  |  |  |  | 43 | 8    | 31  | 74  | 104   |   | Single N | TO-251    |
| EL9974GP     | 60V | ±20V | 12   | 15  |  |  |  | 43 | 8    | 31  | 72  | 104   |   | Single N | TO-220    |
| EL9974GS     | 60V | ±20V | 12   | 15  |  |  |  | 43 | 8    | 31  | 72  | 104   |   | Single N | TO-263    |
| EL9975GM     | 60V | ±25V | 21   | 27  |  |  |  | 26 | 6    | 14  | 7.6 | 2     |   | Dual N   | SO-8      |
| EL9976GM     | 60V | ±20V | 20.5 | 38  |  |  |  | 30 | 4.5  | 10  | 7.6 | 2     |   | Dual N   | SO-8      |
| EL9976GP     | 60V | ±20V | 21   | 50  |  |  |  | 30 | 5.4  | 11  | 30  | 39    |   | Single N | TO-220    |
| EL9977AGH    | 60V | ±20V | 100  | 165 |  |  |  | 7  | 1    | 2.4 | 9   | 12.5  |   | Single N | TO-252    |
| EL9977AGM    | 60V | ±20V | 100  | 165 |  |  |  | 7  | 1    | 2.3 | 3.6 | 2     |   | Dual N   | SO-8      |
| EL9977GH-HF  | 60V | ±25V | 100  | 125 |  |  |  | 6  | 2    | 3   | 11  | 21    |   | Single N | TO-252    |
| EL9977GJ-HF  | 60V | ±25V | 100  | 125 |  |  |  | 6  | 2    | 3   | 11  | 21    |   | Single N | TO-251    |
| EL9977GM     | 60V | ±25V | 100  | 125 |  |  |  | 6  | 2    | 3   | 3.3 | 2     |   | Dual N   | SO-8      |
| EL9978AGP-HF | 60V | ±20V | 12   |     |  |  |  | 42 | 15   | 19  | 66  | 92.6  |   | Single N | TO-220    |
| EL9978GP     | 60V | ±20V | 10   | 16  |  |  |  | 33 | 9.3  | 20  | 75  | 113.6 |   | Single N | TO-220    |
| EL9979GH     | 60V | ±25V | 48   | 60  |  |  |  | 11 | 3    | 6   | 20  | 34.7  |   | Single N | TO-252    |
| EL9979GJ     | 60V | ±25V | 48   | 60  |  |  |  | 11 | 3    | 6   | 20  | 34.7  |   | Single N | TO-251    |

|               |      |      |      |      |      |  |  |  |      |     |      |      |       |                   |           |
|---------------|------|------|------|------|------|--|--|--|------|-----|------|------|-------|-------------------|-----------|
| EL9985GM      | 40V  | ±20V | 15   | 25   |      |  |  |  | 14.7 | 7.1 | 6.8  | 10   | 2.5   | Single N          | SO-8      |
| EL9990GIF-HF  | 60V  | ±20V | 6    |      |      |  |  |  | 59   | 14  | 29.5 | 55   | 37.5  | Single N          | TO-220CFM |
| EL9990GMT-HF  | 60V  | ±20V | 5    |      |      |  |  |  | 53   | 15  | 24   | 84   | 62.5  | Single N          | PMPAK 5x6 |
| EL9990GP-HF   | 60V  | ±20V | 6    |      |      |  |  |  | 59   | 14  | 29.5 | 100  | 125   | Single N          | TO-220CFM |
| EL99T06AGP-HF | 60V  | ±20V | 4.2  |      |      |  |  |  | 110  | 16  | 55   | 135  | 138.8 | Single N          | TO-220    |
| EL99T06GP-HF  | 60V  | ±20V | 4.2  |      |      |  |  |  | 91   | 17  | 47   | 190  | 300   | Single N          | TO-220    |
| EL9575AGM-HF  | -60V | ±20V | 64   |      |      |  |  |  | 12.5 | 3.5 | 8    | -4.6 | 2.5   | Single P          | SO-8      |
| EL3R604AGH-HF | 40V  | ±20V | 3.7  |      |      |  |  |  | 52   | 10  | 23   | 75   | 104   | Single N          | TO-252    |
| EL9467GM-HF   | 60   | 20   | 21   | 45   |      |  |  |  | 30   | 5   | 10   | 7.8  | 2.5   | Single N          | SO-8      |
| EL9970AGP-HF  | 60V  | ±20V | 3    |      |      |  |  |  | 170  | 25  | 95   | 120  | 333   | Single N          | TO-220    |
| EL4575GH-HF   | 60V  | ±20V | 36   | 75   |      |  |  |  | 12   | 3   | 7    | 6.6  | 3.13  | Complementary N-P | TO-252-4L |
| EL4575GH-HF   | -60V | ±20V | 75   | 90   |      |  |  |  | 14   | 2.5 | 8    | -4.7 | 3.13  | Complementary N-P | TO-252-4L |
| EL9963AGP-HF  | 40V  | ±20V | 4.2  |      |      |  |  |  | 58   | 12  | 26   | 155  | 187   | Single N          | TO-220    |
| EL9970GW-HF   | 60V  | ±20V | 3.2  |      |      |  |  |  | 125  | 12  | 74   | 240  | 375   | Single N          | TO-3P     |
| EL9990GH-HF   | 60V  | ±20V | 6    |      |      |  |  |  | 59   | 14  | 30   | 100  | 125   | N-Channel         | TO-252    |
| EL9579GJ-HF   | -60V | ±20V | 25   | 30   |      |  |  |  | 45   | 7.5 | 26   | -45  | 89.3  | Single P          | TO-251    |
| EL60T06GP-HF  | 55V  | ±20V | 12   |      |      |  |  |  | 28   | 6.5 | 13   | 46   | 44.6  | Single N          | TO-220    |
| EL60T06GJ-HF  | 55V  | ±20V | 12   |      |      |  |  |  | 28   | 6.5 | 13   | 46   | 44.6  | Single N          | TO-251    |
| EL2310GN-HF   | 60V  | ±20V | 90   | 120  |      |  |  |  | 6    | 1.3 | 3    | 3    | 1.38  | Single N          | SOT-23    |
| EL0103GMT-HF  | 40V  | ±20V | 2.55 | 3.6  |      |  |  |  | 23   | 6   | 11.5 | 140  | 83.3  | Single N          | PMPAK 5x6 |
| EL9962AGP-HF  | 40V  | ±20V | 20   | 30   |      |  |  |  | 12   | 2.7 | 7.8  | 32   | 27.8  | Single N          | TO-220    |
| EL2RA04GMT-HF | 40V  | ±20V | 2.9  | 4.6  |      |  |  |  | 26   | 6   | 14   | 130  | 83.3  | Single N          | PMPAK 5X6 |
| EL9565BGM-HF  | -40V | ±20V | 52   | 90   |      |  |  |  | 7.5  | 1.5 | 5    | -5.5 | 2.5   | Single P          | SO-8      |
| EL9560GS-HF   | -40V | ±20V | 12.5 | 16   |      |  |  |  | 42   | 6   | 24   | -51  | 54.3  | Single P          | TO-263    |
| EL9971GS-HF   | 60V  | ±20V | 36   | 50   |      |  |  |  | 18   | 6   | 11   | 25   | 39    | Single N          | TO-263    |
| EL9575AGS-HF  | -60V | ±20V | 64   |      |      |  |  |  | 35   | 5   | 12   | -17  | 36    | Single P          | TO-263    |
| EL2318AGEN-HF | 30V  | ±16V |      | 1500 | 2500 |  |  |  | 1    | 0.4 | 0.3  | 0.54 | 0.7   | Single N          | SOT-23    |
| EL0904GYT-HF  | 40V  | ±20V | 11.5 | 16   |      |  |  |  | 9    | 2   | 5.5  | 13.5 | 3.57  | Single N          | PMPAK 3X3 |
| EL4563GH-HF   | 40V  | ±20V | 30   | 40   |      |  |  |  | 13   | 3   | 8    | 30   | 3.13  | Complementary N-P | TO-252-4L |
| EL4563GH-HF   | -40V | ±20V | 36   | 48   |      |  |  |  | 18   | 3   | 10   | -27  | 3.13  | Complementary N-P | TO-252-4L |
| EL9972GI-HF   | 60V  | ±25V | 18   | 22   |      |  |  |  | 3.5  | 9.5 | 20   | 35   | 31.3  | Single N          | TO-220CFM |
| EL4426GM-HF   | 30V  | ±20V | 6.5  | 10   |      |  |  |  | 28   | 5   | 16   | 16   | 2.5   | Single N          | SO-8      |
| EL9975GM-HF   | 60V  | ±25V | 21   | 27   |      |  |  |  | 26   | 6   | 14   | 7.6  | 2     | Dual N            | SO-8      |
| EL6679GS-A-HF | -40V | ±25V | 13.5 | 20   |      |  |  |  | 43   | 7   | 26   | -65  | 89    | Single P          | TO-263    |
| EL6679GP-A-HF | -40V | ±25V | 13.5 | 20   |      |  |  |  | 43   | 7   | 26   | -65  | 89    | Single P          | TO-220    |
| EL9575GI-HF   | -60V | ±20V | 70   | 90   |      |  |  |  | 14   | 3   | 8    | -16  | 31.3  |                   |           |

|               |      |      |      |      |  |  |     |  |  |      |     |     |      |       |                   |           |
|---------------|------|------|------|------|--|--|-----|--|--|------|-----|-----|------|-------|-------------------|-----------|
| EL9965GYT-HF  | 40V  | ±16V | 21   | 28   |  |  |     |  |  | 7.5  | 2   | 3.5 | 10   | 3.57  | Single N          | PMPAK 3X3 |
| EL9992GP-HF   | 60V  | ±20V | 3.5  |      |  |  |     |  |  | 135  | 21  | 75  | 165  | 166   | Single N          | TO-220    |
| EL9971AGM-HF  | 60V  | ±25V | 50   | 60   |  |  |     |  |  | 17.5 | 2   | 6.3 | 5    | 2     | Dual N            | SO-8      |
| EL4511GM-HF   | 35V  | ±20V | 25   | 37   |  |  |     |  |  | 11   | 3   | 6   | 7    | 2     | Complementary N-P | SO-8      |
| EL4511GM-HF   | -35V | ±20V | 40   | 60   |  |  |     |  |  | 10   | 2   | 6   | -6.1 | 2     | Complementary N-P | SO-8      |
| EL4591GM-HF   | -60V | ±20V | 96   | 120  |  |  |     |  |  | 29.5 | 3   | 7   | -3.4 | 2     | Dual P            | SO-8      |
| EL4578GH-HF   | 60V  | ±25V | 72   | 90   |  |  |     |  |  | 9    | 2   | 5   | 9    | 8.9   | Complementary N-P | TO-252-4L |
| EL4578GH-HF   | -60V | ±25V | 125  | 150  |  |  |     |  |  | 13   | 3   | 6   | -6   | 8.9   | Complementary N-P | TO-252-4L |
| EL9972AGR-HF  | 60V  | ±20V | 16   |      |  |  |     |  |  | 50   | 13  | 20  | 60   | 89    | Single N          | TO-262    |
| EL9974GS-HF   | 60V  | ±20V | 12   | 15   |  |  |     |  |  | 43   | 8   | 31  | 72   | 104   | Single N          | TO-263    |
| EL9974GP-HF   | 60V  | ±20V | 12   | 15   |  |  |     |  |  | 43   | 8   | 31  | 72   | 104   | Single N          | TO-263    |
| EL9578GH-HF   | -60V | ±25V |      | 160  |  |  | 200 |  |  | 9    | 2   | 5   | -10  | 28    | Single P          | TO-252    |
| EL9578GJ-HF   | -60V | ±25V | 160  | 200  |  |  |     |  |  | 9    | 2   | 5   | -10  | 28    | Single P          | TO-251    |
| EL9579GM-HF   | -60V | ±20V | 25   | 30   |  |  |     |  |  | 40   | 8   | 18  | -7.3 | 2.5   | Single P          | SO-8      |
| EL2342GK-HF   | 60V  | ±20V | 2000 | 3000 |  |  |     |  |  | 1    | 0.5 | 0.3 | 0.59 | 1.38  | Single N          | SOT-223   |
| EL9963AGS-HF  | 40V  | ±20V | 4.2  |      |  |  |     |  |  | 58   | 12  | 26  | 150  | 156   | Single N          | TO-263    |
| EL9963GS-HF   | 40V  | ±20V | 4    | 5    |  |  |     |  |  | 25   | 6.5 | 14  | 160  | 187   | Single N          | TO-263    |
| EL2310CGN-HF  | 60V  | ±20V | 75   | 120  |  |  |     |  |  | 6    | 1.5 | 3.5 | 3.2  | 1.38  | Single N          | SOT-23    |
| EL9579GH-HF   | -60V | ±20V | 25   | 30   |  |  |     |  |  | 45   | 7.5 | 26  | -45  | 89.3  | single P          | TO-252    |
| EL9577GI      | -60V | ±20V | 64   | 90   |  |  |     |  |  | 35   | 5   | 12  | -17  | 31.3  | single P          | TO-220    |
| EL9972AGP-HF  | 60V  | ±25V | 16   |      |  |  |     |  |  | 49   | 13  | 20  | 60   | 89    | single N          | TO-220    |
| EL4409GEP-HF  | -35V | ±20V | 8.2  | 12.5 |  |  |     |  |  | 58   | 12  | 33  | -80  | 83.3  | single P          | TO-220    |
| EL03N70I      | 600V | ±30V | 3.6  |      |  |  |     |  |  | 12   | 3   | 5   | 3.3  | 29    | single N          | TO-220CFM |
| EL03N70I-HF   | 600V | ±30V | 3.6  |      |  |  |     |  |  | 12   | 3   | 5   | 3.3  | 29    | single N          | TO-220CFM |
| EL99T06AGI-HF | 60V  | ±20V | 4.2  | 44.6 |  |  |     |  |  | 110  | 16  | 55  | 76   | 44.6  | single N          | TO-220CFM |
| EL0904GJB-HF  | 40V  | ±20V | 10   | 15   |  |  |     |  |  | 9    | 2   | 6   | 51   | 44.6  | Single N          | TO-251S   |
| EL2622GY-HF   | 50V  | ±20V | 1800 | 3200 |  |  |     |  |  | 1    | 0.5 | 0.5 | 0.52 | 0.8   | Single N          | SOT-26    |
| EL9970GK-HF   | 60V  | ±20V | 50   | 60   |  |  |     |  |  | 11.5 | 2.5 | 6   | 5.8  | 2.8   | Single N          | SOT-223   |
| EL1430GEU6-HF | 60V  | ±20V | 2500 | 4000 |  |  |     |  |  | 1    | 0.4 | 0.3 | 0.23 | 0.277 | Dual N            | SOT-363   |
| EL2310GK-HF   | 60V  | ±20V | 90   | 120  |  |  |     |  |  | 6.5  | 1.5 | 3.5 | 4.1  | 2.78  | Single N          | SOT-223   |
| EL2311GK-HF   | -60V | ±20V | 250  | 300  |  |  |     |  |  | 6    | 1   | 3   | -2.4 | 2.78  | single P          | SOT-223   |
| EL2331GN-HF   | -60V | ±20V | 800  | 1500 |  |  |     |  |  | 3.5  | 1   | 1.5 | -1   | 1.38  |                   |           |
| EL3R604GH-HF  | 40V  | ±20V | 3.7  | 5.6  |  |  |     |  |  | 28   | 5.3 | 16  | 75   | 104   | Single N          | TO-252    |
| EL9979GH-HF   | 60V  | ±25V | 48   | 60   |  |  |     |  |  | 11   | 3   | 6   | 20   | 34.7  | Single N          | TO-252    |
| EL9571GP-HF   | -60V | ±20V | 12.5 | 17   |  |  |     |  |  | 63   | 11  | 37  | -105 | 250   | single P          | TO-220    |
| EL9571GS-HF   | -60V | ±20V | 12.5 | 17   |  |  |     |  |  | 63   | 11  | 37  | -105 | 250   | single P          | TO-263    |

|               |       |      |      |      |  |  |  |       |      |      |       |       |     |          |                      |
|---------------|-------|------|------|------|--|--|--|-------|------|------|-------|-------|-----|----------|----------------------|
| EL9475GM-HF   | 60V   | ±25V | 40   | 50   |  |  |  |       | 19   | 5    | 10    | 6.9   | 2.5 | Single N | SO-8                 |
| EL9468GH/J-HF | 40V   | ±20V | 7    | 9    |  |  |  | 36    | 4    | 20   | 75    | 89    |     | Single N | TO-252(H), TO-251(J) |
| EL9477GM-HF   | 60V   | ±20V | 90   | 120  |  |  |  | 6     | 2    | 3    | 4     | 2.5   |     | Single N | SO-8                 |
| EL9974AGP-HF  | 60V   | ±20V | 12   | 15   |  |  |  | 28    | 5    | 19   | 68    | 104   |     | Single N | TO-220(P)            |
| EL9992GR-HF   | 60V   | ±20V | 3.5  |      |  |  |  | 135   | 21   | 75   | 120   | 166   |     | Single N | TO-262               |
| EL9561AGJ-HF  | -40V  | ±25V | 18   | 26   |  |  |  | 27    | 7    | 14   | -39   | 1.13  |     | single P | TO-251               |
| EL9467AGM-HF  | 40V   | ±20V | 11.5 | 20   |  |  |  | 9     | 2    | 5    | 11    | 2.5   |     | single N | SO-8                 |
| EL4543GMT-HF  | 40V   | ±20V | 26.5 | 45   |  |  |  | 7     | 2.2  | 7    | 8.8   | 3.57  | N+P |          | PMPAK5x6             |
|               | -40V  |      | /42  | /70  |  |  |  | /11.5 | /2.3 | /3.7 | /-7.3 |       |     |          |                      |
| EL13P15GH-HF  | -150V | ±20V | 300  |      |  |  |  | 38    | 5    | 15   | -13   | 96    |     | Single P | TO-252               |
| EL13P15GJ-HF  | -150V | ±20V | 300  |      |  |  |  | 38    | 5    | 15   | -13   | 96    |     | Single P | TO-251               |
| EL13P15GP     | -150V | ±20V | 300  |      |  |  |  | 38    | 5    | 15   | -13   | 96    |     | Single P | TO-220               |
| EL13P15GS     | -150V | ±20V | 300  |      |  |  |  | 38    | 5    | 15   | -13   | 96    |     | Single P | TO-263               |
| EL15P10GH-HF  | -100V | ±20V | 230  |      |  |  |  | 37    | 5    | 15   | -15   | 96    |     | Single P | TO-252               |
| EL15P10GJ-HF  | -100V | ±20V | 230  |      |  |  |  | 37    | 5    | 15   | -15   | 96    |     | Single P | TO-251               |
| EL15P10GP     | -100V | ±20V | 230  |      |  |  |  | 37    | 5    | 15   | -15   | 96    |     | Single P | TO-220               |
| EL15P10GS     | -100V | ±20V | 230  |      |  |  |  | 37    | 5    | 15   | -15   | 96    |     | Single P | TO-263               |
| EL15P15GH-HF  | -140V | ±20V | 180  |      |  |  |  | 55    | 8.2  | 16.6 | -15   | 89.2  |     | Single P | TO-252               |
| EL15P15GI     | -140V | ±20V | 180  |      |  |  |  | 55    | 8.2  | 16.5 | -15   | 31.3  |     | Single P | TO-220CFM            |
| EL15P15GM-HF  | -140V | ±20V | 180  |      |  |  |  | 51    | 6    | 12   | -2.7  | 2.5   |     | Single P | SO-8                 |
| EL18P10GH     | -100V | ±20V | 180  | 210  |  |  |  | 16    | 4.4  | 8.7  | -12   | 35.7  |     | Single P | TO-252               |
| EL18P10GI     | -100V | ±32V | 160  | 200  |  |  |  | 16    | 4.4  | 8.7  | -12   | 31.25 |     | Single P | TO-220CFM            |
| EL18P10GM-HF  | -100V | ±20V | 180  | 210  |  |  |  | 14    | 4    | 7    | 5     | 22    |     | Single P | SO-8                 |
| EL18P10GS     | -100V | ±20V | 160  | 200  |  |  |  | 16    | 4.4  | 8.7  | -12   | 35.7  |     | Single P | TO-263               |
| EL18T10AGH-HF | 100V  | ±20V | 160  | 225  |  |  |  | 6     | 1.7  | 4    | 9     | 2     |     | Single N | TO-252               |
| EL18T10AGK-HF | 100V  | ±20V | 160  | 290  |  |  |  | 6     | 1.5  | 3.5  | 2.8   | 2.8   |     | Single N | SOT-223              |
| EL18T10GH     | 100V  | ±20V | 160  |      |  |  |  | 10    | 2.5  | 4.5  | 9     | 28    |     | Single N | TO-252               |
| EL18T10GI     | 100V  | ±20V | 160  |      |  |  |  | 10    | 2.5  | 4.5  | 9     | 28    |     | Single N | TO-220CFM            |
| EL18T10GJ     | 100V  | ±20V | 160  |      |  |  |  | 10    | 2.5  | 4.5  | 9     | 28    |     | Single N | TO-251               |
| EL20N15GH-HF  | 150V  | ±20V | 100  |      |  |  |  | 22    | 6    | 7.7  | 20    | 89.2  |     | Single N | TO-252               |
| EL20N15GI-HF  | 150V  | ±20V | 100  |      |  |  |  | 22    | 6    | 7.7  | 20    | 34.7  |     | Single N | TO-220CFM            |
| EL18T10GM-HF  | 100V  | ±20V | 160  | 225  |  |  |  | 5.5   | 1.5  | 3    | 3     | 2.5   |     | Single N | SO-8                 |
| EL18T10GP     | 100V  | ±20V | 160  |      |  |  |  | 10    | 2.5  | 4.5  | 9     | 28    |     | Single N | TO-220               |
| EL2320GN-HF   | 100V  | ±20V | 5000 | 9000 |  |  |  | 2     | 0.5  | 0.5  | 0.25  | 0.7   |     | Single N | SOT-23               |
| EL2330GN-HF   | 90V   | ±20V | 240  |      |  |  |  | 8     | 2.4  | 3.3  | 1.7   | 1.38  |     | Single N | SOT-23               |
| EL25N10GH-HF  | 100V  | ±20V | 80   |      |  |  |  | 19    | 5    | 6    | 23    | 96    |     | Single N | TO-252               |

|               |       |      |      |     |  |  |  |  |      |      |      |       |      |          |           |
|---------------|-------|------|------|-----|--|--|--|--|------|------|------|-------|------|----------|-----------|
| EL25N10GJ-HF  | 100V  | ±20V | 80   |     |  |  |  |  | 19   | 5    | 6    | 23    | 96   | Single N | TO-251    |
| EL25N10GP-HF  | 100V  | ±20V | 80   |     |  |  |  |  | 19   | 5    | 6    | 23    | 96   | Single N | TO-220    |
| EL25N10GS-HF  | 100V  | ±20V | 80   |     |  |  |  |  | 19   | 5    | 6    | 23    | 96   | Single N | TO-263    |
| EL25P15GI     | -140V | ±20V | 95   |     |  |  |  |  | 55   | 9    | 17   | -23   | 36.7 | Single P | TO-220CFM |
| EL25P15GS-HF  | -140V | ±20V | 95   |     |  |  |  |  | 90   | 9    | 17   | -23   | 96   | Single P | TO-263    |
| EL2608GY      | 150V  | ±20V | 2600 |     |  |  |  |  | 3    | 0.5  | 0.7  | 0.57  | 2    | Single N | SOT-26    |
| EL2610GY-HF   | 60V   | ±20V | 90   | 120 |  |  |  |  | 6.5  | 1.5  | 3    | 3.5   | 2    | Single N | SOT-26    |
| EL25N10GJ-HF  | 100V  | ±20V | 80   |     |  |  |  |  | 19   | 5    | 6    | 23    | 96   | Single N | TO-251    |
| EL25N10GP-HF  | 100V  | ±20V | 80   |     |  |  |  |  | 19   | 5    | 6    | 23    | 96   | Single N | TO-220    |
| EL25N10GS-HF  | 100V  | ±20V | 80   |     |  |  |  |  | 19   | 5    | 6    | 23    | 96   | Single N | TO-263    |
| EL25P15GI     | -140V | ±20V | 95   |     |  |  |  |  | 55   | 9    | 17   | -23   | 36.7 | Single P | TO-220CFM |
| EL25P15GS-HF  | -140V | ±20V | 95   |     |  |  |  |  | 90   | 9    | 17   | -23   | 96   | Single P | TO-263    |
| EL30P10GI     | -100V | ±20V | 80   | 100 |  |  |  |  | 50   | 7.5  | 16.5 | -25   | 31.3 | Single P | TO-220CFM |
| EL30P10GP-HF  | -100V | ±20V | 80   | 100 |  |  |  |  | 50   | 7.5  | 16.5 | -25   | 89   | Single P | TO-220    |
| EL30P10GS     | -100V | ±20V | 80   | 100 |  |  |  |  | 50   | 7.5  | 16.5 | -25   | 89   | Single P | TO-263    |
| EL30T10GH-HF  | 100V  | ±20V | 55   |     |  |  |  |  | 13.5 | 3    | 9    | 19    | 2    | Single N | TO-252    |
| EL30T10GP-HF  | 100V  | ±20V | 55   |     |  |  |  |  | 13.5 | 3    | 9    | 19    | 44.6 | Single N | TO-220    |
| EL40T10GR     | 100V  | ±20V | 35   |     |  |  |  |  | 24   | 5.4  | 9.6  | 40    | 125  | Single N | TO-262    |
| EL40T10GP     | 105V  | ±20V | 35   |     |  |  |  |  | 24   | 5.4  | 9.6  | 39    | 125  | Single N | TO-220    |
| EL40T10GI     | 100V  | ±20V | 36   |     |  |  |  |  | 24   | 5.4  | 9.6  | 40    | 37.5 | Single N | TO-220CFM |
| EL40T10GH     | 100V  | ±20V | 35   |     |  |  |  |  | 24   | 5.4  | 9.6  | 39    | 125  | Single N | TO-252    |
| EL9487GM-HF   | 80V   | ±25V | 85   | 100 |  |  |  |  | 11   | 3    | 5.5  | 4     | 2.5  | Single N | SO-8      |
| EL94T07GMT-HF | 75V   | ±20V | 7.5  |     |  |  |  |  | 54   | 14.5 | 25   | 65    | 62.5 | Single N | PMPAK 5x6 |
| EL94T07GP-HF  | 75V   | ±20V | 8    |     |  |  |  |  | 58   | 14   | 29   | 80    | 125  | Single N | TO-220    |
| EL9581GS-HF   | -80V  | ±20V | 15   | 20  |  |  |  |  | 72   | 11   | 45   | 60    | 165  | Single P | TO-263    |
| EL9585GH      | -80V  | ±25V | 180  | 200 |  |  |  |  | 19   | 5    | 7    | -11.2 | 44.6 | Single P | TO-252    |
| EL9585GJ      | -80V  | ±25V | 180  | 200 |  |  |  |  | 19   | 5    | 7    | -11.2 | 44.6 | Single P | TO-251    |
| EL9585GM      | -80V  | ±20V | 180  | 200 |  |  |  |  | 18   | 5    | 7    | -2.7  | 2.5  | Single P | SO-8      |
| EL95T07AGP-HF | 75V   | ±20V | 4.8  |     |  |  |  |  | 150  | 13   | 43   | 170   | 680  | Single N | TO-220    |
| EL95T07GP-HF  | 75V   | ±20V | 5    |     |  |  |  |  | 85   | 25   | 36   | 80    | 300  | Single N | TO-220    |
| EL95T07GS-HF  | 75V   | ±20V | 5    |     |  |  |  |  | 85   | 25   | 36   | 80    | 300  | Single N | TO-263    |
| EL95T08GP     | 80V   | ±20V | 7    |     |  |  |  |  | 93   | 26   | 42   | 80    | 300  | Single N | TO-220    |
| EL95T10GI-HF  | 100V  | ±20V | 6.4  |     |  |  |  |  | 110  | 19   | 58   | 60    | 60   | Single N | TO-220CFM |
| EL95T10GP-HF  | 100V  | ±20V | 6.4  |     |  |  |  |  | 110  | 19   | 58   | 150   | 375  | Single N | TO-220    |
| EL95T10GW-HF  | 100V  | ±20V | 6.4  |     |  |  |  |  | 110  | 19   | 58   | 150   | 375  | Single N | TO-3P     |
| EL95T11GI-HF  | 110V  | ±20V | 6.6  |     |  |  |  |  | 100  | 27   | 48   | 60    | 60   | Single N | TO-220CFM |



|               |       |      |      |     |  |  |  |  |     |     |      |      |       |                   |           |
|---------------|-------|------|------|-----|--|--|--|--|-----|-----|------|------|-------|-------------------|-----------|
| EL50T10GH-HF  | 100V  | ±20V | 30   |     |  |  |  |  | 42  | 8   | 19   | 37   | 89.2  | Single N          | TO-252    |
| EL50T10GP-HF  | 100V  | ±20V | 30   |     |  |  |  |  | 42  | 8   | 19   | 37   | 89.2  | Single N          | TO-220    |
| EL50T10GM-HF  | 100V  | ±20V | 30   |     |  |  |  |  | 41  | 6   | 15.5 | 6.5  | 2.5   | Single N          | SO-8      |
| EL5321GM-HF   | 100V  | ±20V | 150  |     |  |  |  |  | 10  | 2   | 4    | 2.5  | 2     | Dual N            | SO-8      |
| EL5521GH-HF   | 100V  | ±20V | 150  | 250 |  |  |  |  | 10  | 2   | 4    | 3.1  | 3.13  | Complementary N-P | TO-252-4L |
| EL5521GH-HF   | -100V | ±20V | 155  | 250 |  |  |  |  | 29  | 3   | 9    | 6    | 22    | Complementary N-P | TO-252-4L |
| EL5521GM-HF   | 100V  | ±20V | 150  |     |  |  |  |  | 6   | 1.5 | 3    | 2.5  | 2     | Complementary N-P | SO-8      |
| EL5521GM-HF   | 100V  | ±20V | 160  |     |  |  |  |  | 14  | 4   | 7    | -2.5 | 2     | Complementary N-P | SO-8      |
| EL55T10GH-HF  | 100V  | ±20V | 16.5 |     |  |  |  |  | 63  | 23  | 30   | 56   | 2     | Single N          | TO-252    |
| EL60T10GI-HF  | 100V  | ±20V | 18   |     |  |  |  |  | 59  | 13  | 26   | 34   | 44.6  | Single N          | TO-220CFM |
| EL60T10GP     | 100V  | ±20V | 23   |     |  |  |  |  | 55  | 15  | 24   | 57   | 167   | Single N          | TO-220    |
| EL60T10GS     | 100V  | ±20V | 23   |     |  |  |  |  | 55  | 15  | 24   | 57   | 167   | Single N          | TO-263    |
| EL96T07GS-HF  | 75V   | ±20V | 4.5  |     |  |  |  |  | 92  | 16  | 48   | 80   | 300   | Single N          | TO-263    |
| EL97T07GP-HF  | 75V   | ±20V | 3.6  |     |  |  |  |  | 120 | 18  | 66   | 220  | 375   | Single N          | TO-220    |
| EL75N07AGP    | 75V   | ±30V | 11   |     |  |  |  |  | 100 | 13  | 47   | 80   | 300   | Single N          | TO-220    |
| EL75N07GP     | 75V   | ±20V | 11   |     |  |  |  |  | 83  | 10  | 51   | 80   | 300   | Single N          | TO-220    |
| EL75N07GS     | 75V   | ±20V | 11   |     |  |  |  |  | 83  | 10  | 51   | 80   | 300   | Single N          | TO-263    |
| EL75N07GW     | 75V   | ±20V | 11   |     |  |  |  |  | 83  | 10  | 51   | 90   | 25    | Single N          | TO-3P     |
| EL75T10AGP    | 105V  | ±20V | 15   |     |  |  |  |  | 63  | 9   | 30   | 65   | 138   | Single N          | TO-220    |
| EL75T10BGP-HF | 100V  | ±20V | 12   |     |  |  |  |  | 70  | 18  | 43   | 75   | 138   | Single N          | TO-220    |
| EL75T10GI-HF  | 100V  | ±20V | 12   |     |  |  |  |  | 125 | 20  | 40   | 42   | 44.6  | Single N          | TO-220CFM |
| EL75T10GP-HF  | 100V  | ±20V | 15   | 21  |  |  |  |  | 69  | 12  | 39   | 65   | 138   | Single N          | TO-220    |
| EL75T10GS     | 100V  | ±20V | 15   | 21  |  |  |  |  | 69  | 12  | 39   | 65   | 138   | Single N          | TO-263    |
| EL75T12GP-HF  | 120V  | ±20V | 15   |     |  |  |  |  | 60  | 8.5 | 27   | 60   | 138   | Single N          | TO-220    |
| EL78T10GP-HF  | 100V  | ±20V | 14   |     |  |  |  |  | 54  | 15  | 25   | 68   | 2     | Single N          | TO-220    |
| EL80T10GP-HF  | 100V  | ±20V | 9.5  |     |  |  |  |  | 115 | 30  | 48   | 85   | 166   | Single N          | TO-220    |
| EL80T10GR-HF  | 100V  | ±20V | 9.5  |     |  |  |  |  | 115 | 30  | 48   | 85   | 166   | Single N          | TO-262    |
| EL85T08GP     | 80V   | ±20V | 13   |     |  |  |  |  | 63  | 23  | 38   | 75   | 138   | Single N          | TO-220    |
| EL85T08GS     | 80V   | ±20V | 13   |     |  |  |  |  | 63  | 23  | 38   | 75   | 138   | Single N          | TO-263    |
| EL85T10GP-HF  | 100V  | ±20V | 8    |     |  |  |  |  | 100 | 24  | 45   | 125  | 300   | Single N          | TO-220    |
| EL9950AGH-HF  | 68V   | ±20V | 10.5 |     |  |  |  |  | 58  | 14  | 24   | 70   | 92.6  | Single N          | TO-252    |
| EL9950AGP-HF  | 68V   | ±20V | 10.5 |     |  |  |  |  | 58  | 14  | 24   | 70   | 92.6  | Single N          | TO-220    |
| EL9950GP      | 70V   | ±20V | 12   | 18  |  |  |  |  | 31  | 6   | 20.5 | 70   | 113.6 | Single N          | TO-220    |
| EL9952GP-HF   | 70V   | ±20V | 12   |     |  |  |  |  | 35  | 8   | 16   | 68   | 104   | Single N          | TO-220    |
| EL92T12GI-HF  | 120V  | ±20V | 8.5  |     |  |  |  |  | 97  | 27  | 48   | 53   | 60    | Single N          | TO-220CFM |
| EL92T12GP-HF  | 120V  | ±20V | 8.5  |     |  |  |  |  | 97  | 27  | 8    | 130  | 375   | Single N          | TO-220    |

|               |       |      |      |      |  |  |  |      |     |     |      |      |      |          |           |
|---------------|-------|------|------|------|--|--|--|------|-----|-----|------|------|------|----------|-----------|
| EL9980GH      | 80V   | ±25V | 45   | 55   |  |  |  |      | 18  | 5   | 11   | 21.3 | 41.7 | Single N | TO-252    |
| EL9980GJ      | 80V   | ±25V | 45   | 55   |  |  |  | 18   | 5   | 11  | 21.3 | 21.3 | 41.7 | Single N | TO-251    |
| EL9980GM      | 80V   | ±20V | 52   | 60   |  |  |  | 19   | 5   | 10  | 4.6  | 2    |      | Dual N   | SO-8      |
| EL9987GH      | 80V   | ±25V | 90   | 105  |  |  |  | 11   | 3   | 6   | 15   | 34.7 |      | Single N | TO-252    |
| EL9987GJ      | 80V   | ±25V | 90   | 105  |  |  |  | 11   | 3   | 6   | 15   | 34.7 |      | Single N | TO-251    |
| EL9987GM      | 80V   | ±25V | 90   | 105  |  |  |  | 11   | 3   | 5   | 3.5  | 2    |      | Dual N   | SO-8      |
| EL9997AGH-HF  | 120V  | ±20V | 185  |      |  |  |  | 15   | 2.7 | 6.7 | 8.8  | 34.7 |      | Single N | TO-252    |
| EL9997GH-HF   | 100V  | ±20V | 120  | 200  |  |  |  | 13   | 2.2 | 6   | 11   | 34.7 |      | Single N | TO-252    |
| EL9997GJ-HF   | 100V  | ±20V | 120  | 200  |  |  |  | 13   | 2.2 | 6   | 11   | 34.7 |      | Single N | TO-251    |
| EL9997GK      | 100V  | ±20V | 120  | 200  |  |  |  | 14   | 1.5 | 5.5 | 3.2  | 2.8  |      | Single N | SOT-223   |
| EL9997GM      | 95V   | ±20V | 110  | 165  |  |  |  | 14   | 1.5 | 5.5 | 3    | 2    |      | Dual N   | SO-8      |
| EL9997GP      | 100V  | ±20V | 120  |      |  |  |  | 13   | 2.2 | 6   | 11   | 34.7 |      | Single N | TO-220    |
| EL30T10GI-HF  | 100V  | ±20V | 55   |      |  |  |  | 13.5 | 3   | 9   | 16   | 31.3 |      | Single N | TO-220CFM |
| EL94T07GJ-HF  | 75V   | ±20V | 8    |      |  |  |  | 58   | 14  | 29  | 75   | 125  |      | Single N | TO-251    |
| EL90T06GP-HF  | 68V   | ±20V | 9.5  |      |  |  |  | 44   | 11  | 22  | 76   | 107  |      | Single N | TO-220    |
| EL97T07AGP-HF | 75V   | ±20V | 3.4  |      |  |  |  | 160  | 25  | 90  | 220  | 333  |      | Single N | TO-220    |
| EL20N15AGH-HF | 150V  | ±20V | 100  | 110  |  |  |  | 17.5 | 5   | 9   | 20.5 | 89.5 |      | Single N | TO-252    |
| EL15T15GH-HF  | 150V  | ±20V | 150  | 160  |  |  |  | 16   | 4   | 10  | 11.2 | 44.6 |      | Single N | TO-252    |
| EL01N15GK-HF  | 100V  | ±20V | 2600 | 2800 |  |  |  | 3    | 0.6 | 0.7 | 0.7  | 2.8  |      | Single N | SOT-223   |
| EL50T10GJ-HF  | 100V  | ±20V | 30   |      |  |  |  | 42   | 8   | 19  | 37   | 89.2 |      | Single N | TO-251    |
| EL97T07GW-HF  | 75V   | ±20V | 3.6  |      |  |  |  | 110  | 15  | 60  | 220  | 375  |      | Single N | TO-3P     |
| EL5331GM-HF   | 150V  | ±20V | 160  | 210  |  |  |  | 12   | 3.5 | 7.5 | 2.3  | 2    |      | Single N | SO-8      |
| EL15T15GI-HF  | 150V  | ±20V | 150  | 250  |  |  |  | 24   | 10  | 14  | 10   | 31.3 |      | Single N | TO-220CFM |
| EL55T10GS-HF  | 100V  | ±20V | 18   |      |  |  |  | 63   | 23  | 30  | 54   | 125  |      | Single N | TO-263    |
| EL55T10GP-HF  | 100V  | ±20V | 16.5 |      |  |  |  | 63   | 23  | 30  | 56   | 125  |      | Single N | TO-220    |
| EL50T10GS-HF  | 100V  | ±20V | 30   |      |  |  |  | 42   | 8   | 19  | 37   | 89.2 |      | Single N | TO-263    |
| EL85T10AGP-HF | 100V  | ±20V | 8    |      |  |  |  | 135  | 27  | 66  | 100  | 166  |      | Single N | TO-220    |
| EL15T15GM-HF  | 150V  | ±20V | 150  | 250  |  |  |  | 22.5 | 3.5 | 7.5 | 2.6  | 2.5  |      | Single N | SO-8      |
| EL9998GH-HF   | 100V  | ±20V | 25   |      |  |  |  | 30   | 7   | 13  | 44   | 104  |      | Single N | TO-252    |
| EL9585GM-HF   | -80V  | ±20V | 180  | 200  |  |  |  | 18   | 5   | 7   | -2.7 | 2.5  |      | Single P | SO-8      |
| EL9581GP-HF   | -80V  | ±20V | 15   | 20   |  |  |  | 72   | 11  | 45  | -95  | 250  |      | Single P | TO-220    |
| EL13P15GS-HF  | -150V | ±20V | 300  |      |  |  |  | 38   | 5   | 15  | -13  | 96   |      | Single P | TO-263    |
| EL13P15GP-HF  | -150V | ±20V | 300  |      |  |  |  | 38   | 5   | 15  | -13  | 96   |      | Single P | TO-220    |
| EL2608AGK-HF  | 150V  | ±20V | 1500 | 1800 |  |  |  | 5    | 0.7 | 1.2 | 0.92 | 2.8  |      | Single N | SOT-223   |
| EL9995GH-HF   | 90V   | ±20V | 240  |      |  |  |  | 8    | 3   | 3.3 | 7    | 20.8 |      | Single N | TO-252    |
| EL9995GJ-HF   | 90V   | ±20V | 240  |      |  |  |  | 8    | 3   | 3.3 | 7    | 20.8 |      | Single N | TO-251    |



|               |       |      |       |      |  |  |  |     |    |     |      |      |      |          |           |
|---------------|-------|------|-------|------|--|--|--|-----|----|-----|------|------|------|----------|-----------|
| EL30P10GH-HF  | -100V | ±20V | 80    | 100  |  |  |  |     | 50 | 7.5 | 16.5 | -25  | 89   | single P | TO-252    |
| EL18T10AGJ-HF | 100V  | ±20V | 160   | 290  |  |  |  | 6   |    | 1.7 | 4    | 9    | 2    | single N | TO-251    |
| EL85T08GS-HF  | 80V   | ±20V | 13    |      |  |  |  | 63  |    | 23  | 38   | 75   | 138  | Single N | TO-263    |
| EL85T08GP-HF  | 80V   | ±20V | 13    |      |  |  |  | 63  |    | 23  | 38   | 75   | 138  | Single N | TO-220    |
| EL70T15GP-HF  | 150V  | ±20V | 28    |      |  |  |  | 110 |    | 25  | 44   | 46   | 2    | Single N | TO-220    |
| EL2310AGN-HF  | 65V   | ±20V | 80    | 120  |  |  |  | 6   |    | 1.5 | 3.5  | 3    | 1.38 | Single N | SOT-23    |
| EL70T15GI-HF  | 150V  | ±20V | 28    |      |  |  |  | 125 |    | 25  | 45   | 26   | 1.92 | single N | TO-220CFM |
| EL55T10GI-HF  | 100V  | ±20V | 16.5  |      |  |  |  | 70  |    | 16  | 34   | 31.7 | 1.92 | single N | TO-220CFM |
| EL95T10AGW-HF | 100V  | ±20V | 6     |      |  |  |  | 170 |    | 30  | 78   | 120  | 3.1  | single N | TO-3P     |
| EL01N40G-HF   | 400V  | ±20V | 16000 |      |  |  |  | 2.9 |    | 0.6 | 0.6  | 0.2  | 1.25 | Single N | SOT-89    |
| EL02N40H-HF   | 400V  | ±30V | 5000  |      |  |  |  | 6.4 |    | 1.2 | 3.2  | 1.6  | 33   | Single N | TO-252    |
| EL02N40J-HF   | 400V  | ±30V | 5000  |      |  |  |  | 6.4 |    | 1.2 | 3.2  | 1.6  | 33   | Single N | TO-251    |
| EL02N40K-HF   | 400V  | ±30V | 5500  |      |  |  |  | 6.4 |    | 1.2 | 3.2  | 0.45 | 2.7  | Single N | SOT-223   |
| EL02N40P      | 400V  | ±30V | 5000  |      |  |  |  | 6.4 |    | 1.2 | 3.2  | 1.6  | 33   | Single N | TO-220    |
| EL03N40AJ-HF  | 400V  | ±20V | 2600  |      |  |  |  | 11  |    | 2.5 | 5    | 2.7  | 44.6 | Single N | TO-251    |
| EL03N40EL-HF  | 400V  | ±20V | 2600  |      |  |  |  | 11  |    | 2.5 | 5    | 2.7  | 2    | Single N | TO-220    |
| EL03N40I-HF   | 400V  | ±20V | 3300  |      |  |  |  | 8.2 |    | 1.8 | 3.7  | 2.1  | 27.8 | Single N | TO-220CFM |
| EL03N40J-HF   | 400V  | ±20V | 3300  |      |  |  |  | 8.2 |    | 1.8 | 3.7  | 2.1  | 39   | Single N | TO-251    |
| EL04N20GK-HF  | 200V  | ±20V | 1200  | 1300 |  |  |  | 8.5 |    | 1.1 | 2.1  | 1    | 2.7  | Single N | SOT-223   |
| EL09N20BGH-HF | 200V  | ±20V | 460   | 500  |  |  |  | 21  |    | 2   | 14   | 7.8  | 69   | Single N | TO-252    |
| EL09N20BGP-HF | 200V  | ±20V | 460   | 500  |  |  |  | 21  |    | 2   | 14   | 7.8  | 69   | Single N | TO-220    |
| EL09N20H-HF   | 200V  | ±30V | 380   |      |  |  |  | 23  |    | 4   | 13   | 8.6  | 69   | Single N | TO-252    |
| EL09N20H-HF   | 200V  | ±30V | 380   |      |  |  |  | 23  |    | 4   | 13   | 8.6  | 69   | Single N | TO-252    |
| EL09N20J-HF   | 200V  | ±30V | 380   |      |  |  |  | 23  |    | 4   | 13   | 8.6  | 69   | Single N | TO-251    |
| EL18N20GH-HF  | 200V  | ±20V | 170   |      |  |  |  | 19  |    | 5   | 6    | 18   | 89   | Single N | TO-252    |
| EL18N20GI     | 200V  | ±20V | 170   |      |  |  |  | 19  |    | 5   | 6    | 18   | 34.7 | Single N | TO-220CFM |
| EL18N20GJ-HF  | 200V  | ±20V | 170   |      |  |  |  | 19  |    | 5   | 6    | 18   | 89   | Single N | TO-251    |
| EL18N20GP-HF  | 200V  | ±20V | 170   |      |  |  |  | 19  |    | 5   | 6    | 18   | 89   | Single N | TO-220    |
| EL18N20GS-HF  | 200V  | ±20V | 170   |      |  |  |  | 19  |    | 5   | 6    | 18   | 89   | Single N | TO-263    |
| EL30N30W      | 250V  | ±30V | 68    |      |  |  |  | 63  |    | 19  | 14   | 36   | 208  | Single N | TO-3P     |
| EL30N30WI     | 250V  | ±30V | 68    |      |  |  |  | 63  |    | 19  | 14   | 30   | 83   | Single N | TO-3PF    |
| EL95N25W      | 250V  | ±30V | 55    |      |  |  |  | 168 |    | 36  | 68   | 50   | 150  | Single N | TO-247    |
| EL730P        | 400V  | ±30V | 1000  |      |  |  |  | 35  |    | 3.7 | 20   | 5.5  | 74   | Single N | TO-220    |
| EL80N30W      | 300V  | ±30V | 66    |      |  |  |  | 117 |    | 28  | 42   | 36   | 208  | Single N | TO-3P     |
| EL9120GH-HF   | -200V | ±20V | 680   |      |  |  |  | 20  |    | 5   | 13   | -8   | 96   | Single P | TO-252    |
| EL9120GJ-HF   | -200V | ±20V | 680   |      |  |  |  | 20  |    | 5   | 13   | -8   | 96   | Single P | TO-251    |

|               |       |      |       |      |  |  |  |  |     |     |      |      |      |          |           |
|---------------|-------|------|-------|------|--|--|--|--|-----|-----|------|------|------|----------|-----------|
| IRF630        | 200V  | ±20V | 400   |      |  |  |  |  | 25  | 4   | 14   | 9    | 74   | Single N | TO-220    |
| IRF730        | 400V  | ±20V | 1000  |      |  |  |  |  | 27  | 4   | 15   | 5.5  | 74   | Single N | TO-220    |
| EL18N20AGS-HF | 200V  | ±20V | 170   | 180  |  |  |  |  | 18  | 4.5 | 8.5  | 18   | 89   | Single N | TO-263    |
| EL09N20BGI-HF | 200V  | ±20V | 460   | 500  |  |  |  |  | 21  | 2   | 14   | 7.8  | 31.3 | Single N | TO-220CFM |
| EL05N20GI-HF  | 200V  | ±20V | 600   | 620  |  |  |  |  | 30  | 3   | 11.5 | 5.8  | 28   | Single N | TO-220CFM |
| EL05N20GH-HF  | 200V  | ±20V | 600   | 620  |  |  |  |  | 30  | 3   | 11.2 | 5.8  | 44.6 | Single N | TO-252    |
| EL9120AGH-HF  | -200V | ±20V | 680   | 1000 |  |  |  |  | 39  | 3.3 | 14.5 | -8   | 96   | Single P | TO-252    |
| EL05N20GJ-HF  | 200V  | ±20V | 600   | 620  |  |  |  |  | 30  | 3   | 11.5 | 5.8  | 44.6 | Single N | TO-251    |
| EL06P20GJ-HF  | -200V | ±20V | 1400  |      |  |  |  |  | 17  | 3.8 | 5.5  | -4.7 | 62.5 | Single P | TO-251    |
| EL15T20GS-HF  | 200V  | ±20V | 250   | 260  |  |  |  |  | 45  | 5.5 | 15   | 10   | 62.5 | Single N | TO-263    |
| EL08P20GS-HF  | -200V | ±20V | 680   |      |  |  |  |  | 20  | 5   | 13   | -8   | 96   | Single P | TO-263    |
| EL08P20GP-HF  | -200V | ±20V | 680   |      |  |  |  |  | 20  | 5   | 13   | -8   | 96   | Single P | TO-220    |
| EL15T20GH-HF  | 200V  | ±20V | 250   | 260  |  |  |  |  | 45  | 5.5 | 15   | 10   | 62.5 | single N | TO-252    |
| EL02N40I-HF   | 400V  | ±30V | 5000  |      |  |  |  |  | 6.4 | 1.2 | 3.2  | 1.6  | 27.8 | Single N | TO-220CFM |
| EL15T20GI-HF  | 200V  | ±20V | 250   | 260  |  |  |  |  | 45  | 5.5 | 15   | 10   | 31.3 | Single N | TO-220CFM |
| EL18T20GI-HF  | 200V  | ±20V | 175   | 185  |  |  |  |  | 66  | 8.5 | 21   | 13.4 | 1.92 | Single N | TO-220CFM |
| EL18T20GH-HF  | 200V  | ±20V | 175   | 185  |  |  |  |  | 66  | 8.5 | 21   | 13.4 | 83.3 | Single N | TO-252    |
| EL01L60AT     | 600V  | ±30V | 12000 |      |  |  |  |  | 6   | 1   | 2.5  | 0.16 | 0.83 | Single N | TO-92     |
| EL01L60H      | 600V  | ±30V | 12000 |      |  |  |  |  | 4   | 1   | 1.1  | 1    | 29   | Single N | TO-252    |
| EL01L60J      | 600V  | ±30V | 12000 |      |  |  |  |  | 4   | 1   | 1.1  | 1    | 29   | Single N | TO-251    |
| EL01L60T      | 600V  | ±30V | 12000 |      |  |  |  |  | 7   | 1.4 | 3.4  | 0.16 | 0.83 | Single N | TO-92     |
| EL01N40J      | 400V  | ±20V | 16000 |      |  |  |  |  | 2.9 | 0.6 | 0.6  | 0.5  | 17.4 | Single N | TO-251    |
| EL01N60H-HF   | 600V  | ±30V | 8000  |      |  |  |  |  | 7.7 | 1.5 | 2.6  | 1.6  | 39   | Single N | TO-252    |
| EL01N60J-HF   | 600V  | ±30V | 8000  |      |  |  |  |  | 7.7 | 1.5 | 2.6  | 1.6  | 39   | Single N | TO-251    |
| EL01N60P      | 600V  | ±30V | 8000  |      |  |  |  |  | 7.7 | 1.5 | 2.6  | 1.6  | 39   | Single N | TO-220    |
| EL02N60H      | 600V  | ±30V | 8000  |      |  |  |  |  | 14  | 2   | 8.5  | 1.6  | 39   | Single N | TO-252    |
| EL02N60H-H    | 700V  | ±30V | 8800  |      |  |  |  |  | 14  | 2   | 8.5  | 1.4  | 39   | Single N | TO-252    |
| EL02N60I      | 600V  | ±30V | 8000  |      |  |  |  |  | 14  | 2   | 8.5  | 2    | 22   | Single N | TO-220CFM |
| EL02N60I-A    | 650V  | ±30V | 8000  |      |  |  |  |  | 14  | 2   | 8.5  | 2    | 22   | Single N | TO-220CFM |
| EL02N60J      | 600V  | ±30V | 8000  |      |  |  |  |  | 14  | 2   | 8.5  | 1.6  | 39   | Single N | TO-251    |
| EL02N60J-H    | 700V  | ±30V | 8800  |      |  |  |  |  | 14  | 2   | 8.5  | 1.4  | 39   | Single N | TO-251    |
| EL02N60P      | 600V  | ±20V | 8000  |      |  |  |  |  | 14  | 2   | 8.5  | 2    | 39   | Single N | TO-220    |
| EL02N60T-H-HF | 700V  | ±30V | 9000  |      |  |  |  |  | 14  | 2   | 8.5  | 0.3  | 2    | Single N | TO-92     |
| EL02N70EJ     | 700V  | ±20V | 7000  |      |  |  |  |  | 17  | 1.5 | 11   | 1.6  | 45   | Single N | TO-251    |
| EL02N90H-HF   | 900V  | ±30V | 7200  |      |  |  |  |  | 12  | 2.5 | 4.7  | 1.9  | 62.5 | Single N | TO-252    |
| EL02N90I      | 900V  | ±30V | 7200  |      |  |  |  |  | 12  | 2.5 | 4.7  | 1.9  | 34.7 | Single N | TO-220CFM |

|                |      |      |      |  |  |  |  |  |      |     |     |     |      |          |            |
|----------------|------|------|------|--|--|--|--|--|------|-----|-----|-----|------|----------|------------|
| EL02N90J-HF    | 900V | ±30V | 7200 |  |  |  |  |  | 12   | 2.5 | 4.7 | 1.9 | 62.5 | Single N | TO-251     |
| EL02N90P       | 900V | ±30V | 7200 |  |  |  |  |  | 12   | 2.5 | 4.7 | 1.9 | 62.5 | Single N | TO-220     |
| EL03N70H       | 600V | ±30V | 3600 |  |  |  |  |  | 11.4 | 3.1 | 4.2 | 3.3 | 54.3 | Single N | TO-252     |
| EL03N70H-A-HF  | 650V | ±30V | 3600 |  |  |  |  |  | 11.4 | 3.1 | 4.2 | 3.3 | 54.3 | Single N | TO-252     |
| EL03N70H-H     | 700V | ±30V | 4400 |  |  |  |  |  | 12   | 3   | 4   | 2.5 | 54.3 | Single N | TO-252     |
| EL03N70I-A-HF  | 650V | ±30V | 3600 |  |  |  |  |  | 12   | 3   | 5   | 3.3 | 29   | Single N | TO-220CFM  |
| EL03N70I-H     | 700V | ±30V | 4400 |  |  |  |  |  | 12   | 3   | 4   | 2.5 | 29   | Single N | TO-220CFM  |
| EL03N70J       | 600V | ±30V | 3600 |  |  |  |  |  | 11.4 | 3.1 | 4.2 | 3.3 | 45   | Single N | TO-251     |
| EL03N70J-A-HF  | 650V | ±30V | 3600 |  |  |  |  |  | 11.4 | 3.1 | 4.2 | 3.3 | 54.3 | Single N | TO-251     |
| EL03N70J-H     | 700V | ±30V | 4400 |  |  |  |  |  | 12   | 3   | 4   | 2.5 | 54.3 | Single N | TO-251     |
| EL03N70P-A     | 650V | ±30V | 3600 |  |  |  |  |  | 12   | 3   | 5   | 3.3 | 54.3 | Single N | TO-220     |
| EL03N70P-H     | 700V | ±30V | 4400 |  |  |  |  |  | 12   | 3   | 4   | 2.5 | 54.3 | Single N | TO-220     |
| EL03N90I-HF    | 900V | ±30V | 4800 |  |  |  |  |  | 18   | 3.5 | 7   | 3   | 25   | Single N | TO-220CFM  |
| EL04N60I       | 600V | ±30V | 2350 |  |  |  |  |  | 19.5 | 3.5 | 8.5 | 4   | 36.8 | Single N | TO-220CFM  |
| EL04N70BI      | 600V | ±30V | 2400 |  |  |  |  |  | 16.7 | 4.1 | 4.9 | 4   | 33   | Single N | TO-220CFM  |
| EL04N70BI-A    | 650V | ±30V | 2400 |  |  |  |  |  | 16.7 | 4.1 | 4.9 | 4   | 33   | Single N | TO-220CFM  |
| EL04N70BI-H-HF | 700V | ±30V | 2400 |  |  |  |  |  | 16.7 | 4.1 | 4.9 | 4   | 33   | Single N | TO-220CFM  |
| EL04N70BP-A    | 650V | ±30V | 2400 |  |  |  |  |  | 16.7 | 4.1 | 4.9 | 4   | 62.5 | Single N | TO-220     |
| EL05FN50I      | 500V | ±20V | 1600 |  |  |  |  |  | 20   | 3.3 | 6.5 | 4.5 | 31.3 | Single N | TO-220CFM  |
| EL05N50EH-HF   | 500V | ±30V | 1600 |  |  |  |  |  | 20   | 4   | 8   | 5   | 2    | Single N | TO-252     |
| EL05N50EJ-HF   | 500V | ±30V | 1600 |  |  |  |  |  | 20   | 4   | 8   | 5   | 2    | Single N | TO-251     |
| EL05N50H-HF    | 500V | ±20V | 1400 |  |  |  |  |  | 19   | 4.6 | 6.3 | 5   | 73.5 | Single N | TO-252     |
| EL05N50I       | 500V | ±20V | 1400 |  |  |  |  |  | 19   | 4.6 | 6.3 | 5   | 31.3 | Single N | TO-220CFM  |
| EL05N50IB-HF   | 500V | ±20V | 1400 |  |  |  |  |  | 19   | 4.6 | 6.3 | 5   | 31.3 | Single N | TO-220F CB |
| EL05N50P       | 500V | ±20V | 1400 |  |  |  |  |  | 19   | 4.6 | 6.3 | 5   | 73.5 | Single N | TO-220     |
| EL05N50S-HF    | 500V | ±20V | 1400 |  |  |  |  |  | 19   | 4.6 | 6.3 | 5   | 73.5 | Single N | TO-263     |
| EL07N70CI-H    | 700V | ±30V | 1400 |  |  |  |  |  | 32   | 8.6 | 9   | 7   | 37   | Single N | TO-220CFM  |
| EL08N60I-HF    | 600V | ±30V | 850  |  |  |  |  |  | 67   | 9   | 26  | 8   | 37   | Single N | TO-220CFM  |
| EL09N50I       | 500V | ±30V | 750  |  |  |  |  |  | 32   | 7   | 14  | 9   | 36.8 | Single N | TO-220CFM  |
| EL09N50P-HF    | 500V | ±30V | 750  |  |  |  |  |  | 32   | 7   | 14  | 9   | 89   | Single N | TO-220     |
| EL09N70I-A     | 650V | ±30V | 750  |  |  |  |  |  | 44   | 11  | 12  | 9   | 42   | Single N | TO-220CFM  |
| EL09N70I-A-HF  | 650V | ±30V | 750  |  |  |  |  |  | 44   | 11  | 12  | 9   | 42   | Single N | TO-220CFM  |
| EL09N70I-H-HF  | 700V | ±30V | 850  |  |  |  |  |  | 44   | 11  | 12  | 8.3 | 1.92 | Single N | TO-220CFM  |
| EL09N70P-A     | 650V | ±30V | 750  |  |  |  |  |  | 44   | 11  | 12  | 9   | 156  | Single N | TO-220     |
| EL09N70P-H-LF  | 700V | ±30V | 850  |  |  |  |  |  | 44   | 11  | 12  | 8.3 | 156  | Single N | TO-220     |
| EL09N70R       | 600V | ±30V | 750  |  |  |  |  |  | 44   | 11  | 12  | 9   | 156  | Single N | TO-262     |

|               |      |      |        |  |  |  |  |  |      |      |      |     |      |          |           |
|---------------|------|------|--------|--|--|--|--|--|------|------|------|-----|------|----------|-----------|
| EL09N70R-A    | 650V | ±30V | 750    |  |  |  |  |  | 44   | 11   | 12   | 9   | 156  | Single N | TO-262    |
| EL09N70R-A-HF | 650V | ±30V | 750    |  |  |  |  |  | 44   | 11   | 12   | 9   | 156  | Single N | TO-262    |
| EL09N90CW-HF  | 900V | ±30V | 1400   |  |  |  |  |  | 50.7 | 12   | 16   | 7.6 | 208  | Single N | TO-3P     |
| EL09N90W      | 900V | ±30V | 1200   |  |  |  |  |  | 67.1 | 17   | 19.9 | 8.6 | 240  | Single N | TO-3P     |
| EL10N60W      | 600V | ±30V | 750    |  |  |  |  |  | 45   | 11   | 15   | 10  | 156  | Single N | TO-3P     |
| EL10N70I-A    | 650V | ±30V | 620    |  |  |  |  |  | 36   | 8.3  | 11.5 | 10  | 31.3 | Single N | TO-220CFM |
| EL10N70P      | 600V | ±30V | 600    |  |  |  |  |  | 35.9 | 8.3  | 11.5 | 10  | 174  | Single N | TO-220    |
| EL10N70P-A    | 650V | ±30V | 600    |  |  |  |  |  | 35.9 | 8.3  | 11.5 | 10  | 174  | Single N | TO-220    |
| EL10N70R-A    | 650V | ±30V | 620    |  |  |  |  |  | 36   | 8.3  | 11.5 | 10  | 174  | Single N | TO-262    |
| EL10N70S      | 600V | ±30V | 600    |  |  |  |  |  | 35.9 | 8.3  | 11.5 | 10  | 174  | Single N | TO-263    |
| EL10N70W      | 600V | ±30V | 600    |  |  |  |  |  | 36   | 8.3  | 11.5 | 10  | 174  | Single N | TO-247    |
| EL11N50I      | 500V | ±30V | 620    |  |  |  |  |  | 43   | 8    | 20   | 11  | 40   | Single N | TO-220CFM |
| EL13N50I-HF   | 500V | ±30V | 520    |  |  |  |  |  | 42   | 13   | 14   | 14  | 39   | Single N | TO-220CFM |
| EL13N50R-HF   | 500V | ±30V | 520    |  |  |  |  |  | 48   | 9    | 18   | 14  | 2    | Single N | TO-262    |
| EL13N50W-HF   | 500V | ±30V | 520    |  |  |  |  |  | 48   | 9    | 18   | 14  |      | Single N | TO-3P     |
| EL16N50I-HF   | 500V | ±20V | 400    |  |  |  |  |  | 33   | 11   | 9    | 16  | 52   | Single N | TO-220CFM |
| EL16N50W      | 500V | ±30V | 400    |  |  |  |  |  | 33   | 11   | 9    | 16  | 250  | Single N | TO-3P     |
| EL18N50W      | 500V | ±30V | 270    |  |  |  |  |  | 94   | 23   | 36   | 20  | 150  | Single N | TO-3P     |
| EL2332GN-HF   | 600V | ±20V | 300000 |  |  |  |  |  | 2.5  | 1.3  | 0.8  | 27  | 0.5  | Single N | SOT-23    |
| EL2761P-A     | 650V | ±30V | 1000   |  |  |  |  |  | 53   | 10   | 15   | 10  | 104  | Single N | TO-220    |
| EL2761I-A     | 650V | ±30V | 1000   |  |  |  |  |  | 53   | 10   | 15   | 10  | 37   | Single N | TO-220CFM |
| EL2761P-A     | 650V | ±30V | 1000   |  |  |  |  |  | 53   | 10   | 15   | 10  | 104  | Single N | TO-220    |
| EL2761R-A     | 650V | ±30V | 1000   |  |  |  |  |  | 53   | 10   | 15   | 10  | 104  | Single N | TO-262    |
| EL2761S-A-HF  | 650V | ±30V | 1000   |  |  |  |  |  | 53   | 10   | 15   | 10  | 104  | Single N | TO-263    |
| EL2762I-A     | 650V | ±30V | 1400   |  |  |  |  |  | 31   | 7    | 13   | 7   | 33   | Single N | TO-220CFM |
| EL2762R-A     | 650V | ±30V | 1400   |  |  |  |  |  | 31   | 7    | 13   | 7   | 92.6 | Single N | TO-262    |
| EL2762S-A-HF  | 650V | ±30V | 1400   |  |  |  |  |  | 31   | 7    | 13   | 7   | 92.6 | Single N | TO-263    |
| EL2763I-A     | 750V | ±30V | 1450   |  |  |  |  |  | 47   | 8.5  | 20   | 8   | 50   | Single N | TO-220CFM |
| EL2763W-A     | 750V | ±30V | 1450   |  |  |  |  |  | 47   | 8.5  | 20   | 8   | 138  | Single N | TO-3P     |
| EL2764AI      | 600V | ±30V | 1100   |  |  |  |  |  | 66   | 9    | 16   | 7   | 37   | Single N | TO-220CFM |
| EL2764AI-A-HF | 650V | ±30V | 1100   |  |  |  |  |  | 66   | 10   | 24   | 9   | 37   | Single N | TO-220CFM |
| EL2764AI-HF   | 600V | ±30V | 1100   |  |  |  |  |  | 66   | 10   | 24   | 9   | 37   | Single N | TO-220CFM |
| EL2764EL-A    | 650V | ±30V | 1100   |  |  |  |  |  | 66   | 10   | 24   | 9   | 104  | Single N | TO-220    |
| EL2764I-A     | 680V | ±30V | 1100   |  |  |  |  |  | 51   | 11.5 | 11   | 9   | 37   | Single N | TO-220CFM |
| EL2765I-A-HF  | 650V | ±30V | 850    |  |  |  |  |  | 54   | 10   | 23   | 9   | 14   | Single N | TO-220CFM |
| EL2864I-A-HF  | 650V | ±30V | 1100   |  |  |  |  |  | 88   | 6    | 52   | 7   | 36.7 | Single N | TO-220CFM |

|                |      |      |       |  |  |  |  |  |      |     |     |      |      |          |           |
|----------------|------|------|-------|--|--|--|--|--|------|-----|-----|------|------|----------|-----------|
| EL3986I        | 620V | ±30V | 1300  |  |  |  |  |  | 34   | 6   | 15  | 6    | 36.8 | Single N | TO-220CFM |
| EL3986P        | 600V | ±30V | 1400  |  |  |  |  |  | 34   | 6   | 15  | 6    | 92.6 | Single N | TO-220    |
| EL3987I        | 600V | ±30V | 1000  |  |  |  |  |  | 55   | 9   | 16  | 7    | 37   | Single N | TO-220CFM |
| EL3987P        | 600V | ±30V | 1000  |  |  |  |  |  | 55   | 9   | 16  | 7    | 104  | Single N | TO-220    |
| EL3987R        | 600V | ±30V | 1000  |  |  |  |  |  | 55   | 9   | 16  | 7    | 104  | Single N | TO-262    |
| EL3988I-HF     | 600V | ±30V | 750   |  |  |  |  |  | 54   | 10  | 24  | 9    | 36   | Single N | TO-220CFM |
| EL3989I        | 600V | ±30V | 680   |  |  |  |  |  | 48   | 10  | 20  | 10   | 39   | Single N | TO-220CFM |
| EL3989P        | 600V | ±30V | 680   |  |  |  |  |  | 48   | 10  | 20  | 9    | 156  | Single N | TO-220    |
| EL3990I-HF     | 600V | ±30V | 600   |  |  |  |  |  | 34   | 11  | 11  | 10   | 31.3 | Single N | TO-220CFM |
| EL3990P        | 600V | ±30V | 600   |  |  |  |  |  | 34   | 11  | 11  | 10   | 174  | Single N | TO-220    |
| EL3990R-HF     | 600V | ±30V | 600   |  |  |  |  |  | 34   | 11  | 11  | 10   | 174  | Single N | TO-262    |
| EL3990W        | 600V | ±30V | 600   |  |  |  |  |  | 34   | 11  | 11  | 10   | 174  | Single N | TO-3P     |
| EL4002H        | 600V | ±30V | 5000  |  |  |  |  |  | 12   | 2   | 5.5 | 2    | 20   | Single N | TO-252    |
| EL4002I-HF     | 600V | ±30V | 5000  |  |  |  |  |  | 12   | 2   | 5.5 | 2    | 20   | Single N | TO-220CFM |
| EL4002J        | 600V | ±30V | 5000  |  |  |  |  |  | 12   | 2   | 5.5 | 2    | 20   | Single N | TO-251    |
| EL4002P        | 600V | ±30V | 5000  |  |  |  |  |  | 12   | 2   | 5.5 | 2    | 20   | Single N | TO-220    |
| EL4002S        | 600V | ±30V | 5000  |  |  |  |  |  | 12   | 2   | 5.5 | 2    | 20   | Single N | TO-263    |
| EL4002T        | 600V | ±30V | 5000  |  |  |  |  |  | 12   | 2   | 5.5 | 0.4  | 2    | Single N | TO-92     |
| EL4085I        | 500V | ±30V | 430   |  |  |  |  |  | 48   | 9   | 32  | 16   | 40   | Single N | TO-220CFM |
| EL4085W        | 500V | ±30V | 430   |  |  |  |  |  | 48   | 9   | 32  | 16   | 208  | Single N | TO-247    |
| IRF840I        | 500V | ±20V | 850   |  |  |  |  |  | 45   | 7   | 25  | 8    | 35   | Single N | TO-220CFM |
| IRF840S        | 500V | ±20V | 850   |  |  |  |  |  | 45   | 7   | 25  | 8    | 125  | Single N | TO-263    |
| A2N70K         | 600V | ±30V | 10000 |  |  |  |  |  | 5.5  | 1.9 | 0.5 | 0.35 | 2.7  | Single N | SOT-223   |
| IRF830         | 500V | ±20V | 1500  |  |  |  |  |  | 28   | 4   | 16  | 4.5  | 74   | Single N | TO-220    |
| IRF830I-HF     | 500V | ±20V | 1500  |  |  |  |  |  | 28   | 4   | 16  | 4.5  | 36.7 | Single N | TO-220CFM |
| IRF840         | 500V | ±20V | 850   |  |  |  |  |  | 45   | 7   | 25  | 8    | 125  | Single N | TO-220    |
| EL04N70BS-H-HF | 700V | ±30V | 2400  |  |  |  |  |  | 19   | 4   | 6.5 | 4    | 62.5 | Single N | TO-263    |
| EL05N50EI-HF   | 500V | ±30V | 1600  |  |  |  |  |  | 20   | 4   | 8   | 5    | 31.3 | Single N | TO-220CFM |
| EL03N90P-HF    | 900V | ±30V | 5200  |  |  |  |  |  | 18   | 3.5 | 7   | 3    | 83.3 | Single N | TO-220    |
| EL2761I-H      | 700V | ±30V | 1300  |  |  |  |  |  | 67   | 9   | 26  | 6    | 37   | Single N | TO-220CFM |
| EL2761I-H-HF   | 700V | ±30V | 1300  |  |  |  |  |  | 67   | 9   | 26  | 6    | 37   | Single N | TO-220CFM |
| ELS04N60H-HF   | 620V | ±30V | 2500  |  |  |  |  |  | 19   | 3.5 | 8   | 4    | 59.5 | Single N | TO-252    |
| EL04N80I-HF    | 800V | ±30V | 4500  |  |  |  |  |  | 18   | 3.8 | 6   | 3.2  | 34.7 | Single N | TO-220CFM |
| EL2762R-A-HF   | 650V | ±30V | 1400  |  |  |  |  |  | 31   | 7   | 13  | 7    | 92.6 | Single N | TO-262    |
| EL04N60I-A-HF  | 650V | ±30V | 2500  |  |  |  |  |  | 19.5 | 3.5 | 8.5 | 4    | 36.8 | Single N | TO-220CFM |
| EL02N60P-A-HF  | 650V | ±30V | 8000  |  |  |  |  |  | 14   | 2   | 8.5 | 2    | 39   | Single N | TO-220    |



|               |      |      |       |  |  |  |  |    |     |      |     |      |      |          |           |
|---------------|------|------|-------|--|--|--|--|----|-----|------|-----|------|------|----------|-----------|
| ELA2N70K-HF   | 600V | ±30V | 10000 |  |  |  |  |    | 5.5 | 1.5  | 0.9 | 0.35 | 1    | Single N | SOT-223   |
| EL3990S-HF    | 600V | ±20V | 600   |  |  |  |  | 34 | 11  | 11   | 10  | 10   | 174  | Single N | TO-263    |
| EL01L60T-H-HF | 600V | ±30V | 13500 |  |  |  |  | 7  | 1.4 | 3.4  | 160 | 0.83 | 0.83 | single N | TO-92     |
| EL09N50I-HF   | 500V | ±30V | 750   |  |  |  |  | 32 | 7   | 14   | 9   | 36.8 | 36.8 | Single N | TO-220CFM |
| EL10N70I-A-HF | 650  | ±30V | 620   |  |  |  |  | 36 | 8.3 | 11.5 | 10  | 31.3 | 31.3 | Single N | TO-220CFM |

