

Traffic Control Automatic Door Sensors Microwave Sensors DL100S HB100 FZ0562

Doppler microwave motion detectors:

DL100 Microwave Doppler Motion Detector is an Xband Doppler microwave transceiver modules. The module is based on dielectric resonator oscillation (DRO) technology, whether it is a continuous wave drive or low duty cycle pulse drive, are available in a wide temperature range to provide stable performance, flat horizontal mixer designed to improve the sensitivity of the detector and reliability.

Key Features:

- High sensitivity, high output amplitude detection range far
- Professional design flat microstrip antenna
- Low power consumption
- Compact design, small size
- High reliability, suitable for a variety of environments
- ROHS compliant
- High product consistency

Applications:

- Intrusion detectors
- Automatic door sensors
- Automatic sensor lights
- Speed measurement
- Collision warning
- Traffic Control
- Mobile sensor

Mechanical Specifications :

- Weight: 9g
- Pin spacing: 2.45mm
- PCB Surface Technology: Immersion Gold

Environmental Indicators:

- ROHS: Compatible
- Frequency drift over temperature (operating temperature range):, <5MHz
- Full temperature Power Drift (operating temperature range) <3Db
- Working temperature: -10 - +55 degrees
- Storage temperature: -30 - +70 degrees

Electrical Specifications:

Frequency: 10.525GHZ

Power Output: 15dBm EIRP

Operating voltage: +5 V (+ /-0.25V)

Operating Current: 40mA (60max)

Spurious emission: <-10dBm

Sensitivity (10dB SNR):-90dBm

Noise: <10uV

-3dB horizontal viewing angle: 85 degrees

-3dB Vertical angle: 38 degrees

Average current pulse mode (5%): 2Ma

Minimum duty cycle: 1%

Minimum pulse width: 5us

Package Included:

2 X Microwave Sensors DL100S

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