SMD-240512CW-01

Motion Detector Module WR-42, K Band

Features

- High Reliability
- High Sensitivity
- Low harmonic emission
- Compact size
- Low cost and volume production
- Meets FCC, PTT, FTZ and DTI regulations

Applications

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- Intrusion Alarm
- Automatic door opener
- Speed measurement
- Contactless vibration measurement
- Traffic signal actuator
- Automatic illumination system

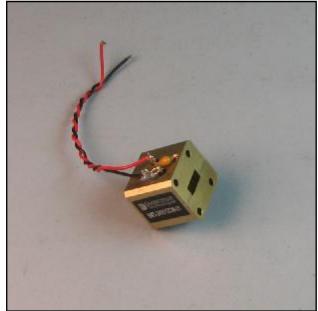
Electrical Specifications: T_c = 25 ± 5°C (Room Ambient)

Parameter	Min	Тур	Мах	Units
Frequency Range, Transmitter		24.15		GHz
Transmitter Output Power	4	5		dBm
Frequency Range, IF	DC—100			MHz
Conversion Loss, Receiver		12	14	dB
Detector Voltage into 2 K $\mathbf{\Omega}$ Load	0.1	0.3		V
Supply Voltage	4.5		5.5	V
Supply Current		200	300	mA

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Microwave Products Preliminary 20 August 09

Outline Drawing



Absolute Maximum Ratings at 25°C

Supply Voltage	+6 V_{DC}	
Operating Temperature	0 to +50 °C	
Storage Temperature	-65 to +200 °C	

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