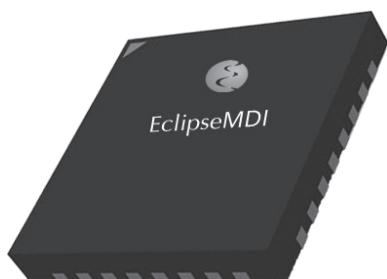


EZR0140QFN4 ZBD Schottky Detector

0.5-4.0 GHz Power Monitor, High Sensitivity



Technical Characteristics

Product Features

No bias required
Neg. (-) Polarity
Broadband Flat Frequency Response
Excellent VSWR
Low Cost QFN 4mm leadless RoHS package

Max. Ratings

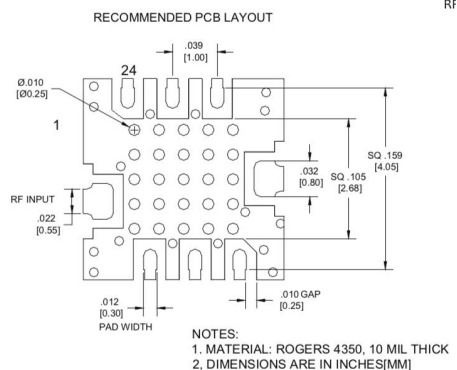
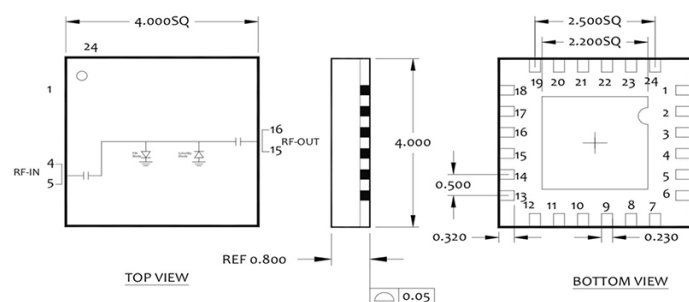
Storage Temperature:	-65° to +100°C
Operating Temperature:	-54° to +100°C
Maximum input power:	+27dBm peak, +20dBm CW
Specifications	@ +25° & -20 dBm Input Power

Parameters	Freq. (GHz)	Min.	Typical	Max.	Units
Voltage Sensitivity	0.5 to 4.0	1000	1200		mV/mW open circuit
Voltage Sensitivity Stability over Temperature	0.5 to 4.0	2.5	3	3.5	dB
VSWR	0.5 to 4.0			3.5:1	
Flatness	0.5 to 4.0		1	1.2	dB
Polarity			Neg. (-)		eV
Video Capacitance		10	20		pF (Note 3)
Dynamic Range	0.5 to 4.0	-30		20	dBm
Tss			-48		dBm (Note 1)

NOTES:

1. Tss is measured with a 2MHz bandwidth and a 3dB NF video amplifier.
2. Pins 4&5 – RF Input, Pins 15&16 – Video Output
3. Typical values are measured at +25°C and are not guaranteed.
4. An external bypass (100pf) capacitor is required for operation to minimize RF feedthru.
5. Negative output polarity is standard, Add "P" to the end of the model number for Positive, Ex: EZR0140PQFN4

Package Pinout



Product Export
Classification
ECCN: EAR 99 (NLR)
HTS: 8542.33.0001



06/26



Data Plots

EZR series Transfer Curve

