

EZR0112QFN4 ZBD Schottky Detector

0.1-12.0 GHz Power Monitor, High Sensitivity



NOTES:

1. Typical values are measured at +25° C
2. Pins 4&5 – RF Input, Pins 15&16 – RF Output

Technical Characteristics

Product Features

No bias required
Neg. (-) Polarity
Broadband Flat Frequency Response
Excellent VSWR

Max. Ratings

Storage Temperature:	-65° to +100°C
Operating Temperature:	-54° to +100°C
Maximum input power:	+27dBm peak, +20dBm CW

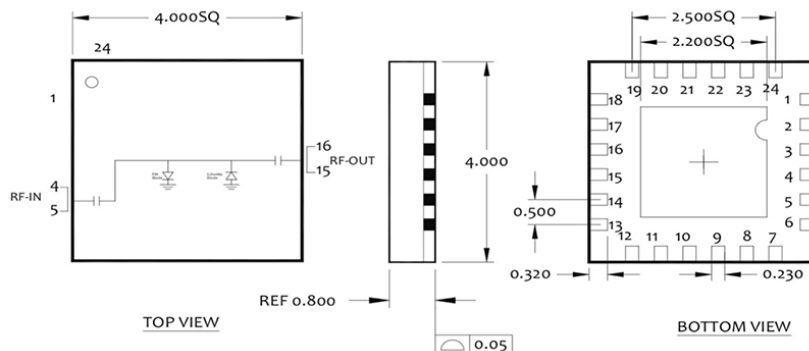
Electrical Specifications

Parameters	Freq. (GHz)	Min.	Typical	Max.	Units
Voltage Sensitivity	0.5 to 12.0	1600	1800		mV/mW open circuit
Voltage Sensitivity Stability over Temperature	0.5 to 12.0	2.5	3	3.5	dB
VSWR	0.5 to 12.0			3.5:1	
Flatness	0.5 to 12.0		0.8	1.00	dB
Polarity			Neg. (-)		eV
Video Capacitance		10	20		pF (Note 3)
Risetime & Falltime @ +10 dBm					
Dynamic Range	0.5 to 12.0	-30		20	dBm
CW Power Handling	0.5 to 12.0			100	mW
Tss			-50		dBm (Note 1)
Operating Temperature	-45°			+95°	° C

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

Outline Drawing



EZR Transfer Curve

