

EZM0140A3 Zero Bias Schottky Detector

SMA-F/SMA-M Negative Output Polarity

0.01 to 4.0 GHz



NOTES:
Specifications @ +25°C & -20dBm input power

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:	100mW CW

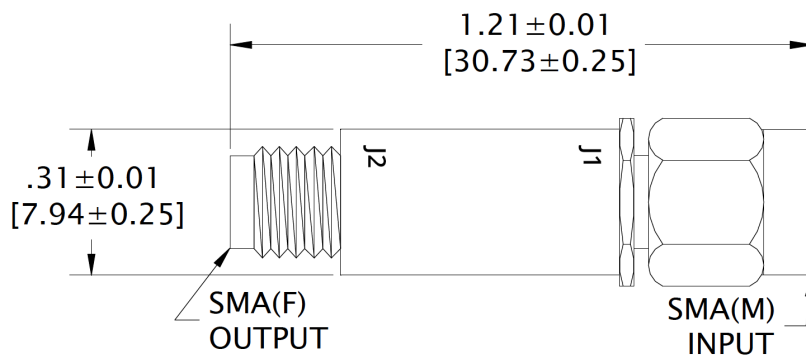
Electrical Specifications

Parameters	Freq. (GHz)	Min.	Typical	Max.	Units
Voltage Sensitivity	0.01 to 4.0	450	500		mV/mW open circuit
Voltage Sensitivity Stability over Temperature	0.01 to 4.0		3.0	3.5	dB
VSWR			1.30:1		
Flatness	0.01 to 4.0			+/-0.30	dB
Polarity			Neg.(-)		
Video Capacitance			470		pF
Risetime & Falltime @ +10 dBm					
Dynamic Range	0.01 to 4.0	-30		+20	dBm
CW Power Handling				100	mW
Tss					
Operating Temperature		-54		+100	°C

NOTES:

- Standard polarity is negative. For positive polarity, add a 'P', ex. EZM0140PA3
- Typical values are measured at +25°C and are not guaranteed

Outline Drawing



EZM0140A3 Zero Bias Schottky Detector

SMA-F/SMA-M Negative Output Polarity

0.01 to 4.0 GHz



EZM Transfer Curve

