

EZR0120A3 Zero Bias Schottky Detector

SMA-F/SMA-M Negative Output Polarity

0.01 to 2.0 GHz



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

Technical Characteristics

Product Features

High Voltage Output Sensitivity
No bias required
Neg. (-) Polarity
Broadband Flat Frequency Response

Max. Ratings

Storage Temperature:	-65° to +100°C
Operating Temperature:	-54° to +100°C
Maximum input power:	50mW CW

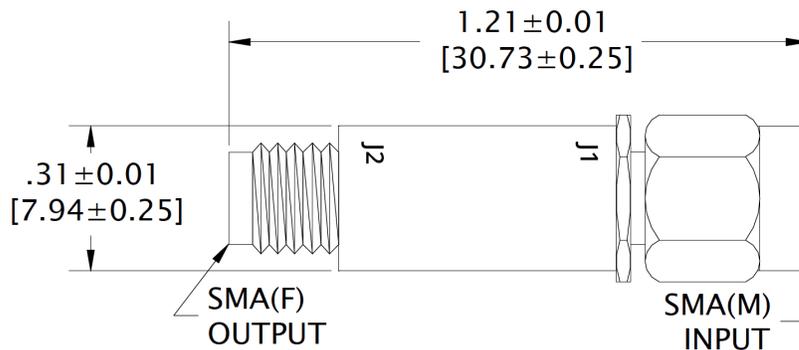
Electrical Specifications

Parameters	Freq. (GHz)	Min.	Typical	Max.	Units
Voltage Sensitivity	0.01 to 2.0	1800	2000		mV/mW open circuit
Voltage Sensitivity Stability over Temperature	0.01 to 2.0	2.5	3	3.5	dB
VSWR	0.01 to 2.0		4.5:1		
Flatness	0.01 to 2.0			+/-0.25	dB
Polarity			Neg.(-)		
Video Capacitance		420	470	500	pF
Risetime & Faltime @ +10 dBm					
Dynamic Range	0.01 to 2.0	-36		20	dBm
CW Power Handling				50	mW
Tss					
Operating Temperature		-54		+100	°C

NOTES:

- Standard polarity is negative. For positive polarity, add a 'P', ex. EZR0120PA3
- Typical values are measured at +25°C and are not guaranteed

Outline Drawing



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EZR Transfer Curve

