

EZR0112NB Zero Bias Schottky Detector

0.01 to 12.4 GHz SMA-F/SMA-M Negative Output



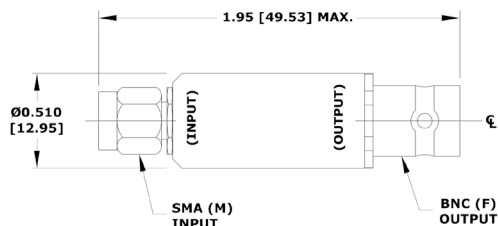
Technical Characteristics

Product Features

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

Max. Ratings

Storage Temperature:	-65° to +150°C
Operating Temperature:	0° to +90°C
Maximum input power:	100mW CW



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

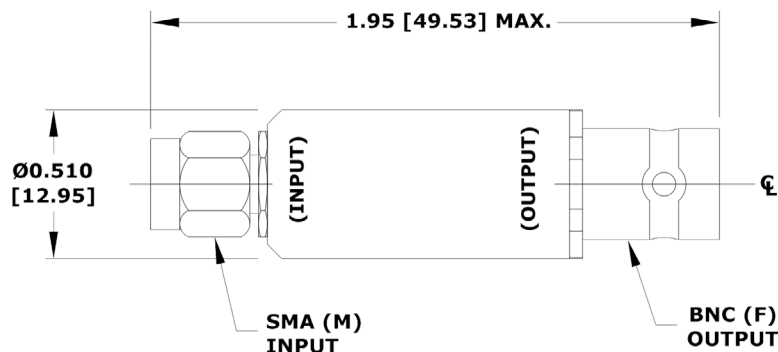
Electrical Specifications

Parameters	Freq. (GHz)	Min.	Typical	Max.	Units
Voltage Sensitivity	0.01 to 12.4	1000	1200		mV/mW open circuit
Voltage Sensitivity Stability over Temperature					
VSWR	0.01 to 12.4		3.5:1		
Flatness	0.01 to 12.4			2	dB
Polarity			Neg.(-)		
Video Capacitance				470	pF
Risetime & Falltime @ +10 dBm					
Dynamic Range	0.01 to 12.4	-30		20	dBm
CW Power Handling				100	mW
Tss					
Operating Temperature		0		90	°C

NOTES:

- Standard polarity is negative. For positive polarity, add a 'P', ex. EZR0112PA3
- Typical values are measured at +25°C and are not guaranteed

Outline Drawing



EZR0112NB Zero Bias Schottky Detector

0.01 to 12.4 GHz SMA-F/SMA-M Negative Output Polarity



EZR Transfer Curve

