

# EZM2018NB Zero Bias Schottky Detector

SMA-M/BNC-F Negative Output Polarity

2.0 to 18.0 GHz



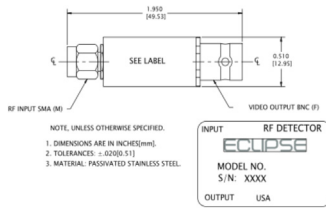
## Technical Characteristics

### Product Features

No Bias Required
Neg. (-) Polarity
Broadband Flat Frequency Response
Excellent VSWR

### Max. Ratings

Storage Temperature:	-45° to +100°C
Operating Temperature:	-25° to +80°C
Maximum input power:	100mW CW



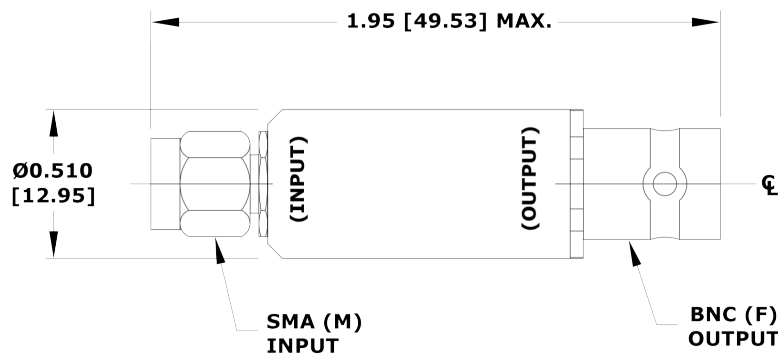
NOTES:  
 Specifications @ +25°C & -20dBm input power

## Electrical Specifications

Parameters	Freq. (GHz)	Min.	Typical	Max.	Units
Voltage Sensitivity	2.0 to 18.0	450	500	600	mV/mW open circuit
Voltage Sensitivity Stability over Temperature	2.0 to 18.0	2.5	3.0	3.5	dB
VSWR	2.0 to 18.0		1.50:1	1.60:1	
Flatness	2.0 to 18.0		+/-0.30	+/-0.40	dB
Polarity			Neg.(-)		
Video Capacitance			20		pF
Risetime & Falltime @ +10 dBm					
Dynamic Range	2.0 to 18.0	-30		+20	dBm
CW Power Handling				100	mW
Tss				2.0 to 18.0	
Operating Temperature		-25		+80	°C

NOTES:  
 1. Standard polarity is negative. For positive polarity, add a 'P', ex. EZM2018PNB  
 2. Typical values are measured at +25°C and are not guaranteed

## Outline Drawing



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## EZM Transfer Curve

