

# EZM0118PNB Zero Bias Schottky Detector

SMA-M/BNC-F Positive Output Polarity

0.01 to 18.5 GHz



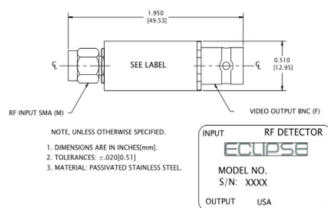
## Technical Characteristics

### Product Features

No Bias Required
Pos. (+) 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



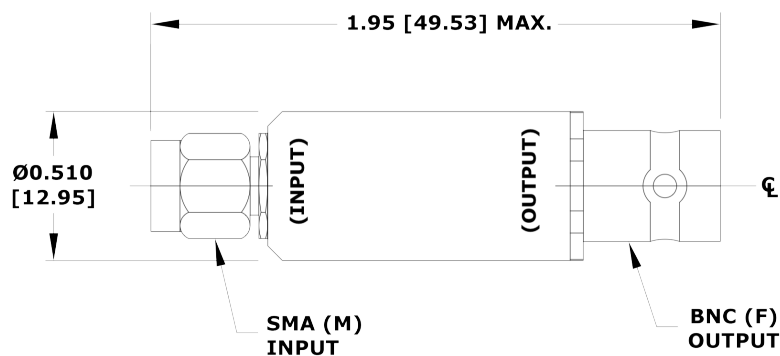
NOTES:  
 Specifications @ +25°C & -20dBm input power

## Electrical Specifications

Parameters	Freq. (GHz)	Min.	Typical	Max.	Units
Voltage Sensitivity	0.01 to 18.5	300	400	500	mV/mW open circuit
Voltage Sensitivity Stability over Temperature	0.01 to 18.5	2.5	3.0	3.5	dB
VSWR	0.01 to 18.5		1.50:1	1.60:1	
Flatness	0.01 to 18.5		+/-0.40	+/-0.50	dB
Polarity			Pos. (+)		
Video Capacitance		420	470	500	pF
Risetime & Falltime @ +10 dBm					
Dynamic Range	0.01 to 18.5	-30		+20	dBm
CW Power Handling				100	mW
Tss					
Operating Temperature		-54		+100	°C

NOTES:  
 1. Standard polarity is negative. For positive polarity, add a 'P', ex. EZM0118PNB  
 2. Typical values are measured at +25°C and are not guaranteed

## Outline Drawing



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## EZM Transfer Curve

