

EZM0120NB Zero Bias Schottky Detector

SMA-M/BNC-F Negative Output Polarity

0.01 to 2.0 GHz



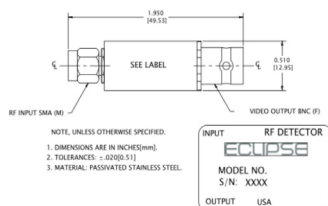
Technical Characteristics

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



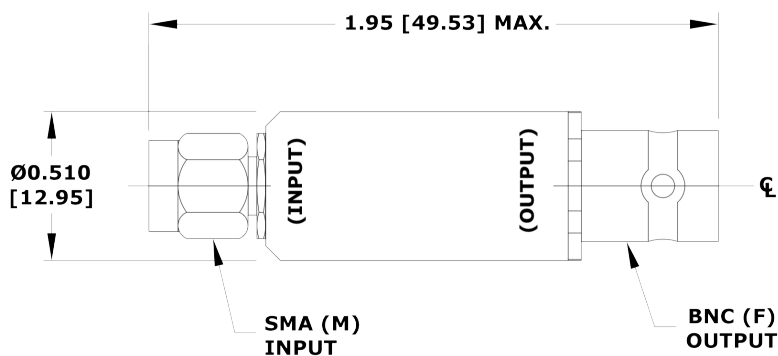
NOTES:
Specifications @ +25°C & -20dBm input power

Electrical Specifications

Parameters	Freq. (GHz)	Min.	Typical	Max.	Units
Voltage Sensitivity	0.01 to 2.0	450	500	850	mV/mW open circuit
Voltage Sensitivity Stability over Temperature	0.01 to 2.0	2.5	3.0	3.5	dB
VSWR	1		1.18:1	1.20:1	
Flatness	0.01 to 2.0		+/-0.08	+/-0.10	dB
Polarity			Neg.(-)		
Video Capacitance		420	470	500	pF
Risetime & Falltime @ +10 dBm					
Dynamic Range	0.01 to 2.0	-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. EZM0120PNB
2. Typical values are measured at +25°C and are not guaranteed

Outline Drawing



Product Export Classification
ECCN: EAR 99 (unless otherwise specified)
HTS: 8541.10.0060



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EZM Transfer Curve

