

# ZBD Schottky Detector

2.0 to 18.0 GHz

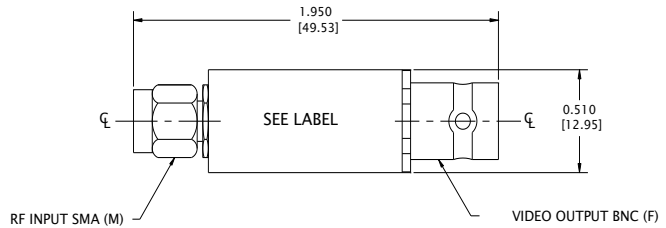
**MODEL NO: EZM2018NB**

PRODUCT FEATURE

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

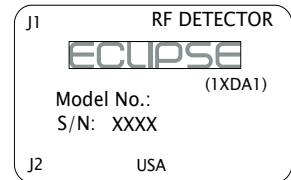
Max Input Power: +27 dBm Peak  
 +20 dBm CW  
 Operating Temperature: -25°C to +80°C  
 Storage Temperature: -45°C to +100°C

Specification @ 25°C & -20 dBm Input Power



NOTE, UNLESS OTHERWISE SPECIFIED.

1. DIMENSIONS ARE IN INCHES[mm].
2. TOLERANCES: ±.020[0.51]
3. MATERIAL: PASSIVATED STAINLESS STEEL.



Parameters	SPECIFICATION				
	FREQ. (GHz)	MIN (dB)	TYPICAL (dB)	MAX (dB)	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		1.5	1.6	
Flatness			0.30	0.40	dB
Polarity			Neg(-)		eV
Video Capacitance		0	20	0	pF
Dynamic Range	2.0 to 18.0	-30		+20	dBm

NOTES:

1. Negative output polarity is standard. Add P to the end of the model number for positive polarity, EZM2018PNC
2. Typical values are measured at +25°C and are not guaranteed