

EZR0140NB Zero Bias Schottky Detector

0.5-4.0 GHz N-BNC Negative Output Polarity



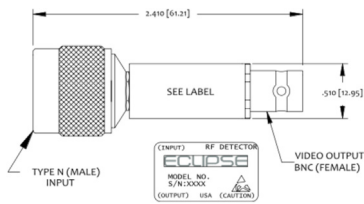
Technical Characteristics

Product Features

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

Max. Ratings

Storage Temperature:	-65° to +100°C
Operating Temperature:	-54° to +100°C
Maximum input power:	100mW CW



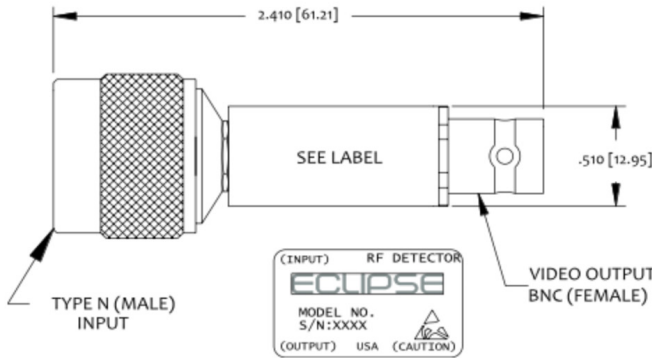
NOTES:
Specifications @ +25°C & -20dBm input power

Electrical Specifications

Parameters	Freq. (GHz)	Min.	Typical	Max.	Units
Voltage Sensitivity	0.5 to 4.0	1000	1200		mV/mW open circuit
Voltage Sensitivity Stability over Temperature	0.5 to 4.0	2.5	3	4.5	dB
VSWR	0.5 to 4.0		3.5:1		
Flatness	0.5 to 4.0			1.2	dB
Video Capacitance		10	20		pF
Risetime & Falltime @ +10 dBm					
Dynamic Range					
CW Power Handling					
Tss					
Operating Temperature					

- NOTES:
- Tss is measured with a 2 MHz bandwidth and 3dB NF video amplifier.
 - Pins 4 & 5-RF Input, Pins 15 & 16-RF Output. All other Pins leave open or ground.
 - Add "P" to model for positive polarity, ex. ESS0140PNB

Outline Drawing



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

