

EZR0120NC Zero Bias Schottky Detector

N-BNC Negative Output Polarity

0.01-2.0 GHz



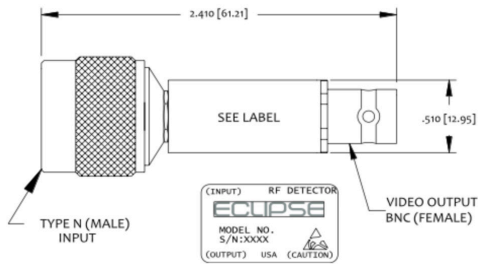
Technical Characteristics

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: | 50mW CW |



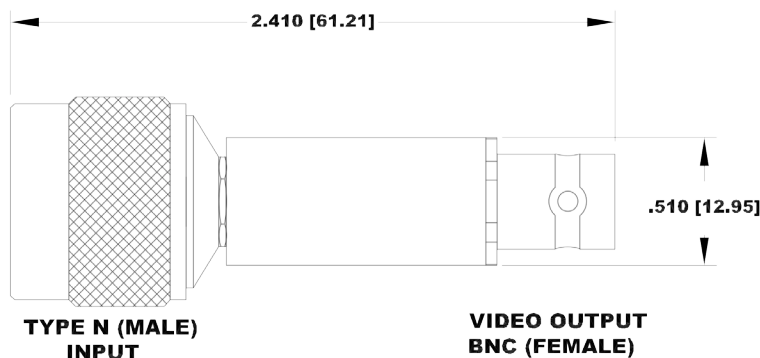
NOTES:
Specifications @ +25°C & -20dBm input power

Electrical Specifications

| Parameters | Freq. (GHz) | Min. | Typical | Max. | Units |
|--|-------------|------|---------|---------|--------------------|
| Voltage Sensitivity | 0.01 to 2.0 | 1800 | 2000 | | mV/mW open circuit |
| Voltage Sensitivity Stability over Temperature | 0.01 to 2.0 | 2.5 | 3 | 3.5 | dB |
| VSWR | 0.01 to 2.0 | | 4.5:1 | | |
| Flatness | 0.01 to 2.0 | | | +/-0.25 | dB |
| Polarity | | | Neg.(-) | | |
| Video Capacitance | | 420 | 470 | 500 | pF |
| Risetime & Falltime @ +10 dBm | | | | | |
| Dynamic Range | 0.01 to 2.0 | -36 | | 20 | dBm |
| CW Power Handling | | | | 50 | mW |
| Tss | | | | | |
| Operating Temperature | | -54 | | +100 | °C |

- NOTES:
- Standard polarity is negative. For positive polarity, add a 'P', ex. EZR0120PNC
 - Typical values are measured at +25°C and are not guaranteed

Outline Drawing



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EZR Transfer Curve

