

EZR0112A3 Zero Bias Schottky Detector

SMA-F/SMA-M Negative Output Polarity

0.01 to 12.4 GHz



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

Technical Characteristics

Product Features

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

Max. Ratings

| | |
|------------------------|----------------|
| Storage Temperature: | -65° to +150°C |
| Operating Temperature: | 0° to +90°C |
| Maximum input power: | 100mW CW |

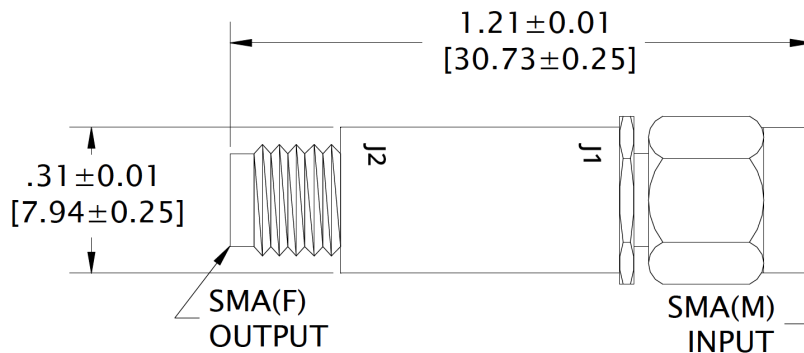
Electrical Specifications

| Parameters | Freq. (GHz) | Min. | Typical | Max. | Units |
|--|--------------|------|---------|------|--------------------|
| Voltage Sensitivity | 0.01 to 12.4 | 1000 | 1200 | | mV/mW open circuit |
| Voltage Sensitivity Stability over Temperature | | | | | |
| VSWR | 0.01 to 12.4 | | 3.5:1 | | |
| Flatness | 0.01 to 12.4 | | | 2.0 | dB |
| Polarity | | | Neg.(-) | | |
| Video Capacitance | | | | 470 | pF |
| Risetime & Falltime @ +10 dBm | | | | | |
| Dynamic Range | 0.01 to 12.4 | -30 | | 20 | dBm |
| CW Power Handling | | | | 100 | mW |
| Tss | | | | | |
| Operating Temperature | | 0 | | +90 | °C |

NOTES:

- Standard polarity is negative. For positive polarity, add a 'P', ex. EZR0112PA3
- Typical values are measured at +25°C and are not guaranteed

Outline Drawing



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EZR Transfer Curve

