

ZBD Schottky Detector

0.01 to 2.0 GHz

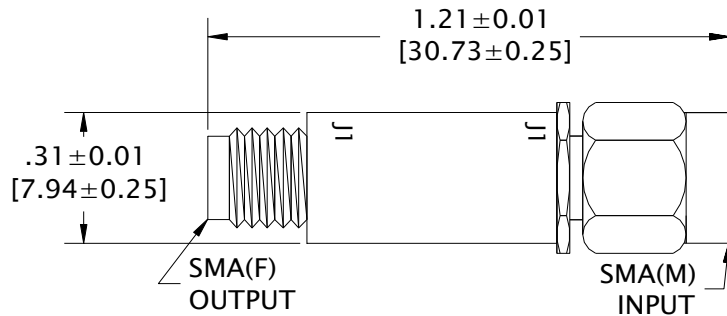
EZM0120A3

PRODUCT FEATURE

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

Max Input Power: +27 dBm Peak
 +20 dBm CW
 Operating Temperature: -54°C to +100°C
 Storage Temperature: -65°C to +100°C

Specification @ 25°C & -20 dBm Input Power



| Parameters | SPECIFICATION | | | | |
|--|----------------|-------------|-----------------|-------------|-----------------------|
| | FREQ. (GHz) | MIN (dB) | TYPICAL (dB) | MAX (dB) | 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 | | | 1.18:1 | 1.20:1 | |
| Flatness | 0.01 to 2.0 | | ±0.08 | ±0.10 | dB |
| Polarity | | | Neg (-) | | eV |
| Video Capacitance | | 420 | 470 | 500 | pF |
| Dynamic Range | 0.01 to 2.0 | -30 | | +20 | dBm |

NOTES:

1. Negative output polarity is standard. Add P to the end of the model number for positive polarity, EZM0120PNB
2. Typical values are measured at +25°C and are not guaranteed

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Typical Performance @ 25°C

