

# EZM2018A3 Zero Bias Schottky Detector

SMA-F/SMA-M Negative Output Polarity

2.0 to 18.0 GHz



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

## Technical Characteristics

| Product Features                  |
|-----------------------------------|
| No Bias Required                  |
| Neg. (-) Polarity                 |
| Broadband Flat Frequency Response |
| Excellent VSWR                    |

| Max. Ratings           |                |
|------------------------|----------------|
| Storage Temperature:   | -45° to +100°C |
| Operating Temperature: | -25° to +80°C  |
| Maximum input power:   | 100mW CW       |

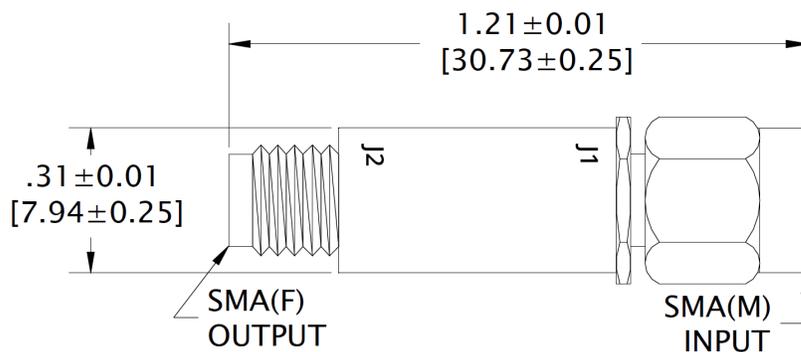
## Electrical Specifications

| Parameters                                     | Freq. (GHz) | Min. | Typical | Max.        | 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 |      | 1.50:1  | 1.60:1      |                    |
| Flatness                                       | 2.0 to 18.0 |      | +/-0.30 | +/-0.40     | dB                 |
| Polarity                                       |             |      | Neg.(-) |             |                    |
| Video Capacitance                              |             |      | 20      |             | pF                 |
| Risetime & Falltime @ +10 dBm                  |             |      |         |             |                    |
| Dynamic Range                                  | 2.0 to 18.0 | -30  |         | +20         | dBm                |
| CW Power Handling                              |             |      |         | 100         | mW                 |
| Tss                                            |             |      |         | 2.0 to 18.0 |                    |
| Operating Temperature                          |             | -25  |         | +80         | °C                 |

### NOTES:

- Standard polarity is negative. For positive polarity, add a 'P', ex. EZM2018PA3
- Typical values are measured at +25°C and are not guaranteed

## Outline Drawing



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## EZM Transfer Curve

