

# EZR2018A3 Zero Bias Schottky Detector

2.0 to 18.0 GHz SMA-F/SMA-M Negative Output Polarity



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: | -25° to +90°C  |
| Maximum input power:   | 100mW CW       |

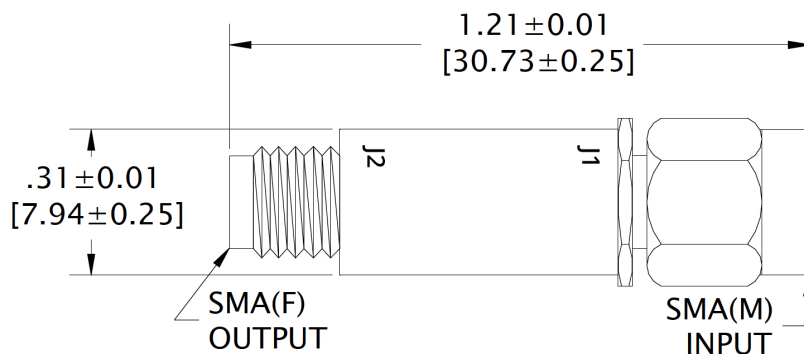
## Electrical Specifications

| Parameters                                     | Freq. (GHz) | Min. | Typical | Max. | Units              |
|------------------------------------------------|-------------|------|---------|------|--------------------|
| Voltage Sensitivity                            | 2.0 to 18.0 | 1000 | 1200    |      | mV/mW open circuit |
| Voltage Sensitivity Stability over Temperature |             |      |         |      |                    |
| VSWR                                           | 2.0 to 18.0 |      | 4.5:1   |      |                    |
| Flatness                                       | 2.0 to 18.0 |      |         | 1    | dB                 |
| Video Capacitance                              |             |      |         | 20   | pF                 |
| Risetime & Falltime @ +10 dBm                  |             |      |         |      |                    |
| Dynamic Range                                  |             |      |         |      |                    |
| CW Power Handling                              |             |      |         | 100  | mW                 |
| Tss                                            |             |      |         |      |                    |
| Operating Temperature                          |             | -25  |         | 90   | °C                 |

### NOTES:

- Standard polarity is negative. For positive polarity, add a 'P', ex. EZR2018PA3
- Typical values are measured at +25°C and are not guaranteed.

## Outline Drawing



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



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