

# EZR2040A3 Zero Bias Schottky Detector

SMA-F/SMA-M Negative Output Polarity

2.0 to 4.0 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

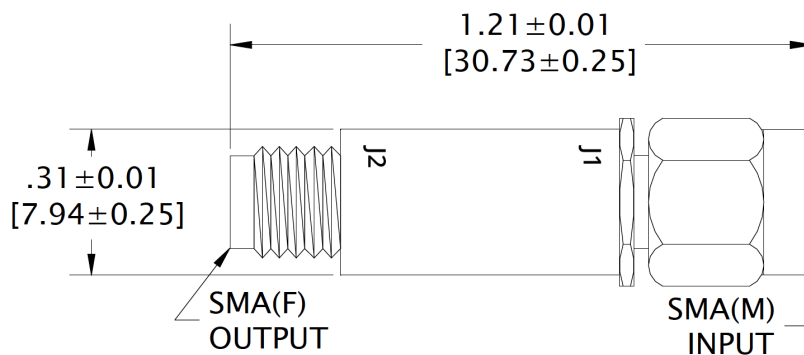
## Electrical Specifications

Parameters	Freq. (GHz)	Min.	Typical	Max.	Units
Voltage Sensitivity	2.0 to 4.0	1000	1200		mV/mW open circuit
Voltage Sensitivity Stability over Temperature					
VSWR	2.0 to 4.0		3.5:1		
Flatness	2.0 to 4.0			+/-0.5	dB
Polarity			Neg.(-)		
Video Capacitance				20	pF
Risetime & Falltime @ +10 dBm					
Dynamic Range					
CW Power Handling				100	mW
Tss					
Operating Temperature		0		+90	°C

### NOTES:

- Standard polarity is negative. For positive polarity, add a 'P', ex. EZR2040PA3
- Typical values are measured at +25°C and are not guaranteed

## Outline Drawing



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## EZR Transfer Curve

