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

Maximum input power:



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					

100mW CW

Electrical Specifications

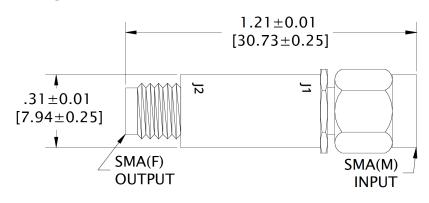
ParametersFreq. (GHz)Min.TypicalMax.UnitsVoltage Sensitivity2.0 to 4.010001200mV/mW open circuVoltage Sensitivity Stability over Temperature2.0 to 4.03.5:1Flatness2.0 to 4.03.5:1Flatness2.0 to 4.03.5:1+/-0.5dBPolarityNeg.(-)Video Capacitance20pFRisetime & Falltime @ +10 dBmdB						
Voltage Sensitivity Stability over TemperatureVSWR2.0 to 4.03.5:1Flatness2.0 to 4.0+/-0.5dBPolarityNeg.(-)Video Capacitance20pFRisetime & Falltime @ +10 dBm20pFSector Sector Se	Parameters	Freq. (GHz)	Min.	Typical	Max.	Units
over TemperatureVSWR2.0 to 4.03.5:1Flatness2.0 to 4.0+/-0.5dBPolarityNeg.(-)Video Capacitance20pFRisetime & Falltime @ +10 dBm20pFSCW Power Handling100mWTssTssSSS	Voltage Sensitivity	2.0 to 4.0	1000	1200		mV/mW open circuit
Flatness 2.0 to 4.0 +/-0.5 dB Polarity Neg.(-) Video Capacitance 20 pF Risetime & Falltime @ +10 dBm 20 pF CW Power Handling 100 mW Tss Tss 100 mW						
Polarity Neg.(-) Video Capacitance 20 pF Risetime & Falltime @ +10 June June Dynamic Range 100 mW Tss Substance Substance	VSWR	2.0 to 4.0		3.5:1		
Video Capacitance20pFRisetime & Falltime @ +10 dBmJunamic RangeJunamic RangeCW Power Handling100mWTssJunamic RangeJunamic Range	Flatness	2.0 to 4.0			+/-0.5	dB
Risetime & Falltime @ +10 dBm Dynamic Range CW Power Handling 100 mW Tss	Polarity			Neg.(-)		
dBm Dynamic Range CW Power Handling 100 mW Tss	Video Capacitance				20	pF
CW Power Handling 100 mW Tss						
Tss	Dynamic Range					
	CW Power Handling				100	mW
Operating Temperature 0 +90 °C	Tss					
	Operating Temperature		0		+90	°C

NOTES:

1. Standard polarity is negative. For positive polarity, add a 'P', ex. EZR2040PA3

2. Typical values are measured at +25°C and are not guaranteed

Outline Drawing





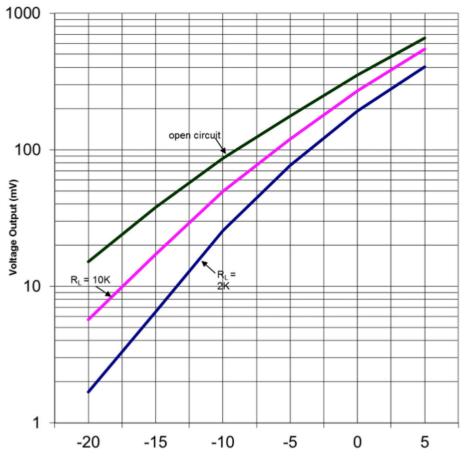
1.408.526.1100

EZR2040A3 Zero Bias Schottky Detector SMA-F/SMA-M Negative Output Polarity



2.0 to 4.0 GHz

EZR Transfer Curve



Input Power (dBm)

