ESS4080A3 Bias Schottky Diode Detector

SMA-F/SMA-M Negative Output Polarity 4.0 to 8.0 GHz Octave Band



Technical Characteristics

Product Features
High Dynamic Range @100 uA typ. bias
Flat Frequency Response
Ultra Wideband and Ultra fast
Low Video Output Resistance (350 ohms typ.)
Negative Polarity is Standard
High Reliability Hermetically Sealed Coax
RoHS Compliant

	Max. Ratings	
cified)	Storage Temperature:	Storage temperature range: -65°C to +125°C
	Operating Temperature:	Operating temperature range: -55°C to +90°C
	Maximum input power:	Maximum input power: 200mW

Product Export Classification ECCN: EAR99 (Unless otherwise specifi HTS: 8542330000

Electrical Specifications

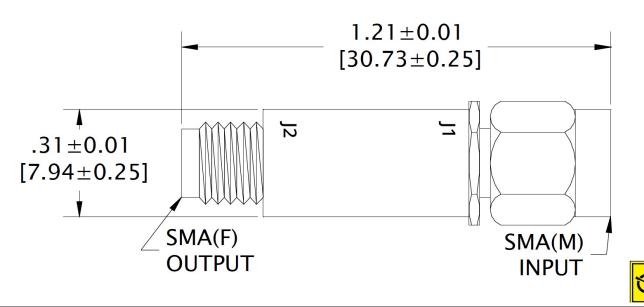
Electrical Specifications							
Parameters	Freq. (GHz)	Min.	Typical	Max.	Units		
Voltage Sensitivity	4.0 to 8.0 GHz	2000			mV/mW		
Bias			100		μΑ		
Tangential Sensivitity	4.0 to 8.0 GHz		-52		dBm		
Flatness	4.0 to 8.0 GHz		0.25		+/-dB		
Video Capacitance			20		pF		
CW Power Handling				200	mWatts		
Operating Temperature		-55		+125	°C		

NOTES:

1. TSS is measured with a 2 MHz video bandwidth and 2dB NF amplifier.

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

Outline Drawing



www.eclipseMDI.com

1.408.526.1100

CAUTION ELECTROSTATIC SENSITIVE DEVICES

