# ESS1826A3 Bias Schottky Diode Detector

SMA-F/SMA-M Negative Output Polarity 18.0 to 26.0 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

Storage temperature range: -65°C to +125°C

Operating temperature range: -55°C to +90°C

Maximum input power: 200mW

	Max. Ratings	
<b>Product Export Classification</b> ECCN: EAR99 (Unless otherwise specified) HTS: 8542330000	Storage Temperature:	
	Operating Temperature:	
	Maximum input power:	

## **Electrical Specifications**

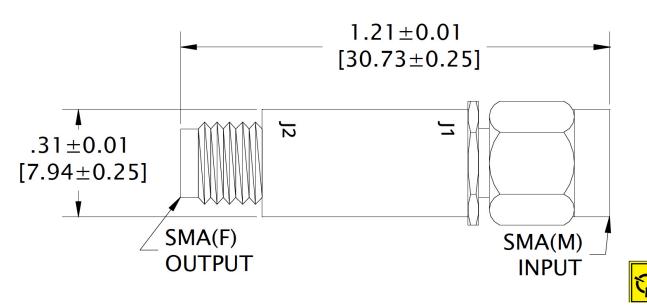
Parameters	Freq. (GHz)	Min.	Typical	Max.	Units
Voltage Sensitivity	18.0 to 26.0 GHz	1800			mV/mW
Bias			100		μΑ
Tangential Sensivitity	18.0 to 26.0 GHz		-52		dBm
Flatness	18.0 to 26.0 GHz		0.25		+/-dB
Video Capacitance			10		pF
CW Power Handling				200	mWatts
Operating Temperature		-55		+125	°C

#### 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

T 1.408.526.1100



CAUTION SENSITIVE DEVICES

