ESS1826A3 Biased 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

-65°C to +125°C

-55°C to +90°C

100mW

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

Electrical Specifications

Parameters	Freq. (GHz)	Min.	Typical	Max.	Units
Voltage Sensitivity	18.0 to 26.0 GHz		1000		mV/mW
Bias			100		μΑ
Tangential Sensivitity (Note 1)	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

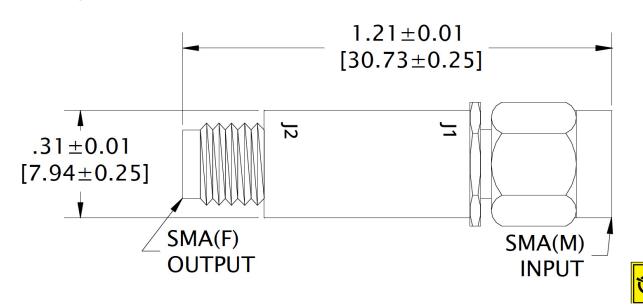
NOTES:

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.

3. At -20dBm input power.

Outline Drawing



www.eclipseMDI.com

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CAUTION ELECTROSTATIC SENSITIVE DEVICES

