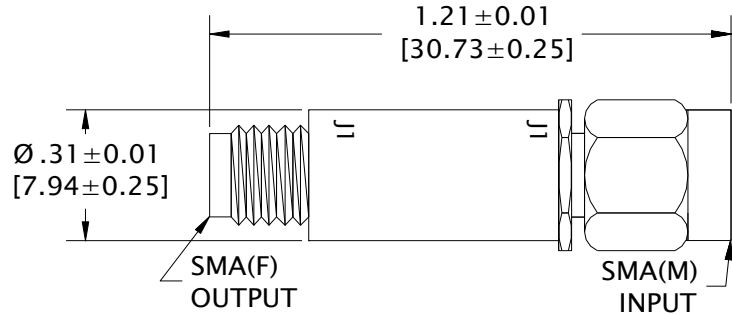


Biased Schottky Diode Detector

0.1 to 2.0 GHz

MODEL NO: ESS0120A3

- Broadband Biased Detector
- Negative Output Polarity (-) is standard
- Max Input Power 200mW CW
- Operating Temperature: -55°C to +125°C
- Storage Temperature: -65°C to +150°C
- Specification @ 25°C, 100 µA Bias Typical, -20 dBm Input Power



Parameters	SPECIFICATION				Units
	FREQ. (GHz)	MIN	TYPICAL	MAX	
Voltage Sensitivity	0.1 to 2.0	1800	2000		mV/mW
Bias		50	100		uA
Tangential Sensitivity ¹	0.1 to 2.0		-52		dBm
Flatness	0.1 to 2.0			±0.50	dB
Video Capacitance				470pF	pF
CW Power Handling				200	mWatt
Operating Temperature		-55		+125	°C

NOTES:

1. TSS is measured with a 2 MHz video bandwidth and 2 dB NF amplifier.
2. Typical values are measured at +25°C and are not guaranteed

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