

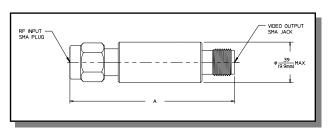
## **Point Contact Detector** 10 MHz to 18 GHz

Rev. V5

## **Features**

- **Broadband Frequency Ranges**
- No Bias Required
- Flat Frequency Response
- Passivated Stainless Steel Finish

## **Mechanical Outline Drawing**



## **Specifications**

Parameter	Specification		
Flatness (Maximum)	± 0.75 dB, 10 MHz to 4 GHz ± 1.25 dB, 4 MHz to 8 GHz ± 1.5 dB, 10 MHz to 12 GHz ± 2.5 dB, 10 MHz to 18 GHz		
VSWR (Typical)	1.7:1, 10 MHz to 4 GHz 2.7:1, 10 MHz to 8 GHz 3.5:1, 10 MHz to 12 GHz 4.0:1, 10 MHz to 18 GHz		
Maximum Power	100 mW		
Output Polarity	Positive <sup>4</sup>		
Video Resistance	6 k Ohms Typical <sup>2</sup>		
Temperature Range	-65°C to +100°C		

Detector Part Number	Frequency Range <sup>1</sup> (GHz)	Open Circuit Voltage Sensitivity 2	Tangential Sensitivity <sup>3</sup> (-dBm) Min.	Output Capacitance (pF) Typical	Dimension A	
		(mV/mW) Min.			Inches	mm
2087-6001-00	10 MHz to 4 GHz	400	45	12	1.55	39.4
	10 MHz to 8 GHz	500	45	12	1.55	39.4
	10 MHz to 12 GHz	700	45	12	1.55	39.4
	10 MHz to 18 GHz	800	45	12	1.55	39.4

- 1. Usable to 20 GHz
- 2. For RF power levels below -20 dBm, and with an open circuit load.
- 3. With video amplifier of 1 MHz bandwidth and 2 dB noise figure.
- 4. For Negative Output change suffix to -00.

<sup>•</sup> India Tel: +91.80.4155721