2087-6001-00

Point Contact Detector 10 MHz to 18 GHz

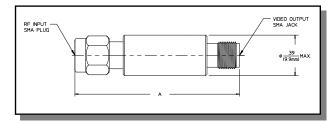


Rev. V5

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	Negative ⁴		
Video Resistance	6 k Ohms Typical ²		
Temperature Range	-65°C to +100°C		

Detector Part Number	Frequency Range ¹ (GHz)	Open Circuit Voltage Sensitivity ²	Tangential Sensitivity ³ (-dBm) Min.	Output Capacitance (pF) Typical	Dimension A	
		(mV/mW) Min.			Inches	mm
	10 MHz to 4 GHz	400	45	12	1.55	39.4
2087-6001-00	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 Positive Output change suffix to -13.

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