

# M/A-COM Point Contact Detectors

V 3.00

2087-6001-00

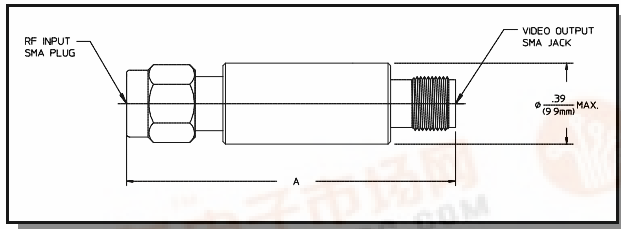
## Features

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

## Specifications

Parameter	Specification
Flatness (Maximum)	± 0.5 dB, 10 MHz to 4 GHz ± 1.0 dB, 10 MHz to 8 GHz ± 1.5 dB, 10 MHz to 12 GHz ± 2.5 dB, 10 MHz to 18 GHz
VSWR (Maximum)	1.5:1, 10 MHz to 4 GHz 2.0:1, 10 MHz to 8 GHz 3.0:1, 10 MHz to 12 GHz 3.5:1, 10 MHz to 18 GHz
Maximum Power	100 mW
Output Polarity	Negative <sup>4</sup>
Video Resistance	6K Ohms Typical <sup>2</sup>
Temperature Range	-65°C to +100°C

## Mechanical Outline Drawing



Detector Part Number	Frequency Range <sup>1</sup> (GHz)	Open Circuit Voltage Sensitivity <sup>2</sup> (mV/mW) Min.	Tangential Sensitivity <sup>3</sup> (-dBm) Min.	Output Capacitance (pF) Typical	Dimension A	
					Inches	mm
2087-6001-00	0.01 - 18.0	400	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.

