

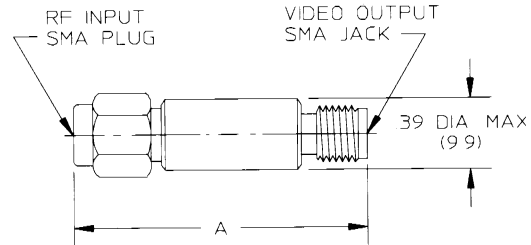
Point Contact Detectors With Replaceable Diodes

2087 Series

V2.00

Features

- Broadband Frequency Ranges
- No Bias Required
- Flat Frequency Response
- Available in Matched Pairs⁵
- Field Replaceable Diodes
- Passivated Stainless Steel Finish



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
Tracking	0.8 dB (Matched Pair) ⁵
Maximum Power	100 mW
Output Polarity	Negative ⁴
Video Resistance	6K Ohms Typical ²
Temperature Range	-65°C to +100°C

Frequency Range ¹ (GHz)	Open Circuit Voltage Sensitivity ² (mV/mW) Min.	Tangential Sensitivity ³ (-dBm) Min.	Output Capacitance Typical (pF)	Dimension A Inches (mm)	Replacement Diode Part Number	Detector Part Number
.01-18.0	400	45	12	1.55 (39.4)	9999-4019-00	2087-6001-00

Notes:

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. Consult factory for positive output or matched pairs.

Specifications Subject to Change Without Notice.

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