950 Series Finline Detectors



Description

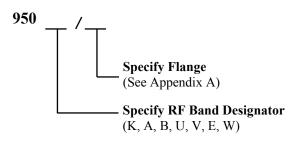
950 Series Detectors

Mi-Waver[•] 950 series detectors convert incident RF energy into a DC voltage signal. The function of these detectors is similar to power sensors, with two exceptions. The 950 series detectors perform measurements more quickly and have a greater dynamic range than that obtainable from comparable power sensors. Ideally suited for rapid power measurements, these finline detectors are designed for a variety of instrumentation setups such as scalar applications. For low signal level analyzer measurement, the detectors provide significantly more sensitivity than that available from power sensors.

Features

- Full Waveguide Band
- High Video Sensitivity
- No Bias Voltage Required
- Planar Finline Construction
- Lightweight Compact Design







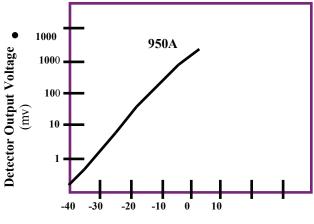
Millimeter Wave Products Inc. WWW.MiWV.COM 2200 Tall Pines Drive, Suite 100 Largo, FL 33771 Tel. (727) 536-0033 Fax. (727) 536-0012 E: sales@miwv.com

Model Number	950K	950A	950B	950 U	950V	950E	950W
Frequency Band (GHz)	18.0-26.5	26.5-40.0	33.0-50.0	40.0-60.0	50.0-75.0	60.0-90.0	75.0-110.0
Video Sensitivity (mV/mW) Typ.	800	800	700	600	500	450	400
Tangential Sensitivity (dBm)	-55	-55	-50	-50	-50	-45	-45
Flatness (dB)	± 1.5	± 1.5	± 1.5	± 1.5	± 2.0	± 2.0	± 2.0

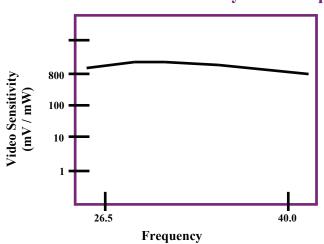
Technical Specifications at 25° C

Detectors up to 320 GHz are now available. Consult Mi-Wave for technical specifications.

RF Power Input vs. Detector Output



RF Power Input



Technical Video Sensitivity with Frequency

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