

Description

Mi-Wave's 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 analyzer applications. For low signal level measurement, the detectors provide significantly more sensitivity than that available from power sensors.

- *Full Waveguide Band*
- *High Video Sensitivity*
- *No Bias Voltage Required*
- *Lightweight Compact Design*



Technical Specifications (typical)												
Model Number	950K	950A	950B	950U	950V	950E	950W	950F	950D	950G	950H	950J
Frequency Input (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	90–140.0	110–170	140 - 220	170 - 260	220 - 375
Video Sensitivity (mV/mW) Typ.	2500	2300	2000	1800	1200	1100	1000	900	800	500	500	500
Tangential Sensitivity	-55	-55	-50	-50	-50	-45	-45	-45	-40	-40	-40	-35
Flatness (dB)	±1.5	±1.5	±1.5	±1.5	±2.0	±2.0	±2.0	±2.0	±2.5	±2.5	±2.5	±2.5

* Detectors are tested at -20dBm power level and extrapolated to 1mw power level

Detectors up to 220 GHz are now available.

Consult Mi-Wave for technical specifications.

Ordering Information

