

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.

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

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.



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

