

## 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
- Planar Finline Construction
- 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.



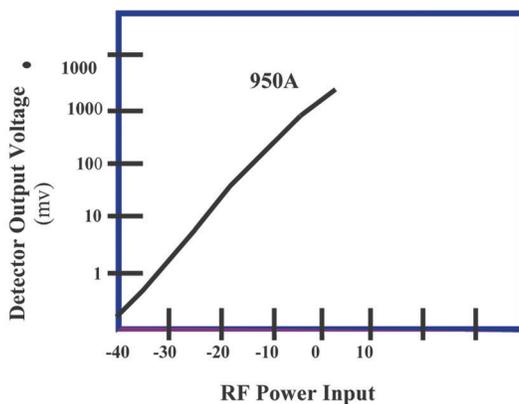
Technical Specifications (typical)							
Model Number	950K	950A	950B	950U	950V	950E	950W
Frequency Input (GHz)	18.0–26.5	26.5–40.0	33.0–50.0	40.0–60.0	50.0–75.0	60.0–90.0	75.0–110.0
Video Sensitivity (mV/mW) Typ.	1100	1100	950	750	700	550	500
Tangential Sensitivity (dBm)	-55	-55	-50	-50	-50	-45	-45
Flatness (dB)	±1.5	±1.5	±1.5	±1.5	±2.0	±2.0	±2.0

1. High sensitivity detectors available
2. 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.

## RF Power Input vs. Detector Output



## Ordering Information

