

**Description**

Mi-Wave's 950 Series detectors convert incident RF energy into a DC voltage signal.

**Notes**

1) Detectors are tested at -20 dBm power level and extrapolated to 1 mW power level.2) Negative Polarity detectors are also available.3) Detector will be in compression above -15dBm.

S/N: N/A

**Electrical Specifications**

	<b>Minimal</b>	<b>Typical</b>	<b>Maximum</b>
Frequency	40 GHz		60 GHz
Video Sensitivity		1100 mV/mW	
Tangential Sensitivity		-55 dBm	
Sensitivity Flatness		±1.5 dB	
RF Power Handling			17 dBm
Dynamic Range		-55 to +10 dBm	
Detection Speed, Rise Time (50 ohm load)		5 nS	
Output Voltage Polarity		Positive	
Specification Temperature		25° C	
Operating Temperature	0° C		50° C
RF Input Power		-20 dBm	

**Physical Specifications**

RF Port	WR-19 Waveguide, UG-383 Flange
DC Port	SMA(F)
Material Type	Brass
Finish	Gold Plated



Tested by: MS

Date: 2020-10-20

