

**Description**

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

**Notes**

S/N: N/A

**Electrical Specifications**

	Minimal	Typical	Maximum
Frequency	50 GHz		75 GHz
Video Sensitivity		1000 mV/mW	
Tangential Sensitivity		-50 dBm	
Sensitivity Flatness		±2 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-15 Waveguide, UG-385/U Flange
DC Port	SMA(F)
Material Type	Brass
Finish	Gold Plated



Tested by: MS

Date: 2020-10-20



## Frequency vs Output Voltage Data with -20 dBm Input RF power

Item No:	Frequency (GHz)	Output Voltage (mV)
1.	50	21.1
2.	51	20.7
3.	52	18.8
4.	53	25.3
5.	54	19.6
6.	55	24.6
7.	56	23.6
8.	57	22.8
9.	58	21.5
10.	59	23.2
11.	60	26.8
12.	61	22.3
13.	62	19
14.	63	18.6

Notes:

S/N: XWZYFA

Tested by: Kyle

Date: 2022-08-29



### Frequency vs Output Voltage Data with -20 dBm Input RF power

Item No:	Frequency (GHz)	Output Voltage (mV)
15.	64	23.4
16.	65	24.4
17.	66	21.7
18.	67	24.5
19.	68	21.5
20.	69	19.7
21.	70	26.6
22.	71	26.2
23.	72	19.5
24.	73	18.5
25.	74	16.2
26.	75	22.8
27.		
28.		

Notes:

S/N: XWZYFA

Tested by: Kyle

Date: 2022-08-29

