

**Description**

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

**Notes**

S/N: N/A

**Electrical Specifications**

|  | <b>Minimal</b> | <b>Typical</b> | <b>Maximum</b> |
|--|----------------|----------------|----------------|
| 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                      |
|               |                                  |
|               |                                  |
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|               |                                  |
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Tested by: MS

Date: 2020-10-20

