

Part Number: **DET-10-P00**

Detector for W-Band

- 75GHz to 110GHz
- Greater than 800mV/mW sensitivity
- Less than 3dB variation over band
- Compact and lightweight



Input Port WR-10 Waveguide, UG-387/U Flange
Output Port SMA Connector, Female

STOCK#:

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PRODUCT OVERVIEW

Precision mmw W band Detectors are built with high quality materials and by experienced high precision assemblers. These Detectors utilize a very sensitive Low-Barrier Schottkey Diode. .

APPLICATIONS

- Radar Systems
- Frequency Counters
- Power Monitoring
- Communication Systems

Operating Specifications

Parameter	Specification
Frequency Range	75GHz to 110GHz
Sensitivity	800mV/mW Minimum
Flatness	+/-1.5dB Maximum
Linear Range	-35 to -10dBm Typical
Operating Range	-40 to +15dBm Typical

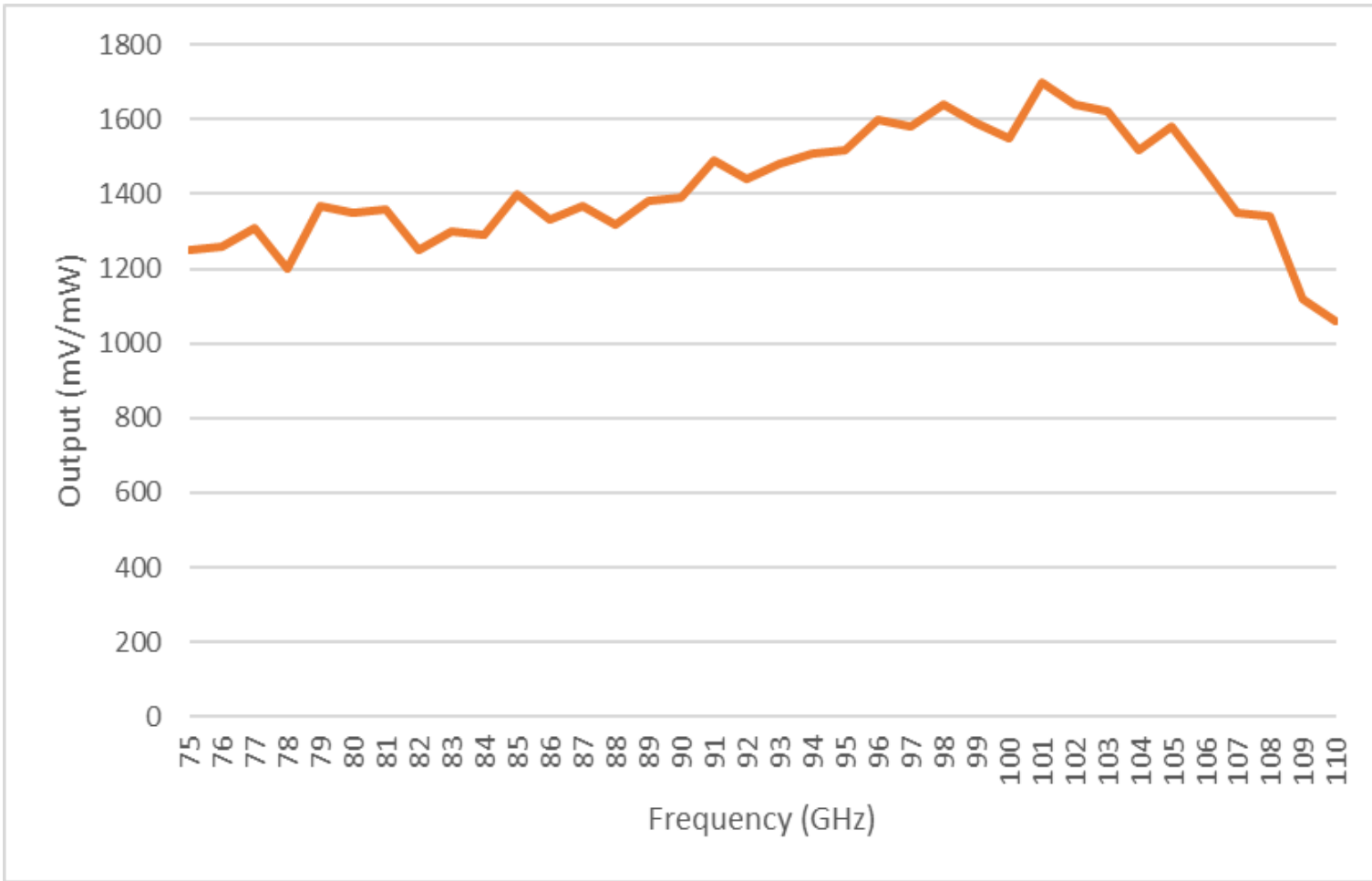
Maximum Limits

Parameter	Ratings
Operating Temperature	-20 °C to 70 °C Ambient
Storage Temperature	-55 °C to +100 °C
Input Power (CW)	+17 dBm

Permanent damage may occur if any of these limits are exceeded.



- **Typical Data**



● **Dimensions in Inches**

