

Part Number: **DET-08-P00**

## Detector for F-Band

- 90GHz to 140GHz
- Greater than 700mV/mW sensitivity
- Less than 3.4dB variation over band
- Compact and lightweight

**Input Port** WR-08 Waveguide, UG-387/U Flange  
**Output Port** SMA Connector, Female



**STOCK#:**

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## PRODUCT OVERVIEW

Precision mmw F 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

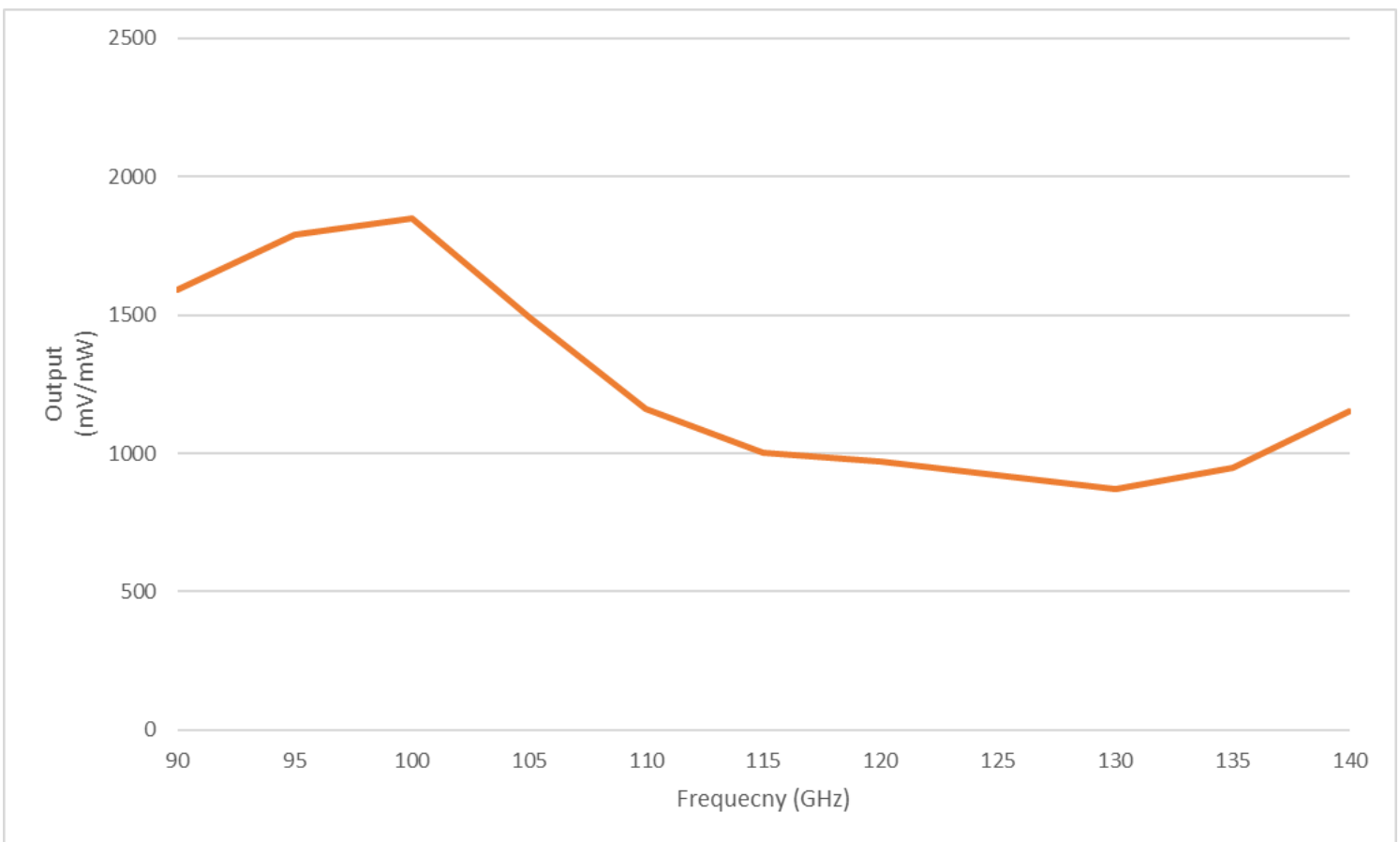
Parameter	Specification
Frequency Range	90GHz to 140GHz
Sensitivity	700mV/mW Minimum
Flatness	+/-1.7dB Maximum
Linear Range	-35 to -10dBm Typical
Operating Range	-40 to +15dBm Typical

## 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**

