

## Planar Detector 90 - 140 GHz HFD08P-H1

### APPLICATIONS, FEATURES & BENEFITS



- Test Systems
- Instrumentation
- Relative Power Measurements
  
- Full Waveguide Bandwidth
- Zero Bias Operation
- Rugged
- Lightweight
- Economical

The HFD Series of detectors employs zero biased beamlead Schottky-barrier diodes. Full waveguide band operation is achieved with good sensitivity in a compact unit. HFD units are offered between 18 and 170 GHz. The units are fixed tuned and operate without bias, making them particularly convenient to use. Applications are as sensors for network analyzers and as low cost replacements for power heads.

### TECHNICAL SPECIFICATIONS

DESCRIPTION	PLANAR DETECTOR
FREQUENCY	90 – 140 GHz
WAVEGUIDE DESIGNATION	WR-08
FLANGE COMPATABILITY	UG387/U-M
SENSITIVITY	>220 mV/mW
FLATNESS	+/- 2 dB

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