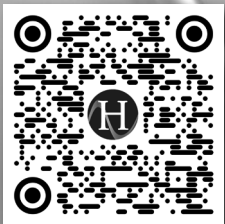




HASCO
COMPONENTS

888-498-3242
www.hasco-inc.com



Scan or Click to
[View and Download](#)
[HASCO Catalog Pages](#)

WAVEGUIDE DETECTORS

A detector is a two-terminal device that is used to rectify an RF signal (like a diode rectifies an alternating current signal in a power supply). Detectors are used as the receiving element in amplitude modulation schemes among other uses.

HASCO Waveguide Detectors offer full waveguide band operation with high sensitivity without tuning and high sensitivity stability over a broad temperature range.

WAVEGUIDE DETECTORS

PHOTO	PART #	INPUT WAVEGUIDE	OUTPUT CONNECTOR	SPECIFICATIONS
	HWPSD08-90140-S2	WR-08 Waveguide Flange: UG-387/UM F Band	SMA Female	Frequency: 90 - 140 GHz Sensitivity: 700 mV/mW Typ. Flatness: +/- 1.7 dB Max Polarity: Positive Tangential Sensitivity: -40 dBm (BW 40 Hz, dBm) CW Power: +16 dBm Absolute Max Input Power: +20 dBm Temp: -55° to 85°C
	HWPSD10-75110-S2	WR-10 Waveguide Flange: UG-387/UM W Band	SMA Female	Frequency: 75 - 110 GHz Sensitivity: 800 mV/mW Typical Flatness: +/- 1.5 dB Max Polarity: Positive Tangential Sensitivity: -45 dBm (BW 40 Hz, dBm) CW Power: +16 dBm Absolute Max Input Power: +20 dBm Temp: -55° to 85°C
	HWPSD12-6090-S2	WR-12 Waveguide Flange: UG-387/U E Band	SMA Female	Frequency: 60 - 90 GHz Sensitivity: 1000 mV/mW Typical Flatness: +/- 1.5 dB Max Polarity: Positive Tangential Sensitivity: -45 dBm (BW 40 Hz, dBm) CW Power: +16 dBm Absolute Max Input Power: +20 dBm Temp: -55° to 85°C
	HWPSD15-5075-S2	WR-15 Waveguide Flange: UG-385/U V Band	SMA Female	Frequency: 50 - 75 GHz Sensitivity: 1000 mV/mW Typical Flatness: +/- 1.5 dB Max Polarity: Positive Tangential Sensitivity: -45 dBm (BW 40 Hz, dBm) CW Power: +16 dBm Absolute Max Input Power: +20 dBm Temp: -55° to 85°C
	HWPSD19-4060-S2	WR-19 Waveguide Flange: UG-383/U U Band	SMA Female	Frequency: 40 - 60 GHz Sensitivity: 750 mV/mW Typ. Flatness: +/- 2 dB Max Polarity: Positive Tangential Sensitivity: -50 dBm (BW 40 Hz, dBm) CW Power: +16 dBm Absolute Max Input Power: +20 dBm Temp: -55° to 85°C
	HWPSD22-3350-S2	WR-22 Waveguide Flange: UG-383/U Q Band	SMA Female	Frequency: 33 - 50 GHz Sensitivity: 1500 mV/mW Typ. Flatness: +/- 1.5 dB Max Polarity: Positive Tangential Sensitivity: -55 dBm (BW 40 Hz, dBm) CW Power: +16 dBm Absolute Max Input Power: +20 dBm Temp: -55° to 85°C
	HWPSD28-2640-S2	WR-28 Waveguide Flange: UG-599/U Ka Band	SMA Female	Frequency: 26.5 - 40 GHz Sensitivity: 1300 mV/mW Typ. Flatness: +/- 2 dB Max Polarity: Positive Tangential Sensitivity: -55 dBm (BW 40 Hz, dBm) CW Power: +16 dBm Absolute Max Input Power: +20 dBm Temp: -55° to 85°C