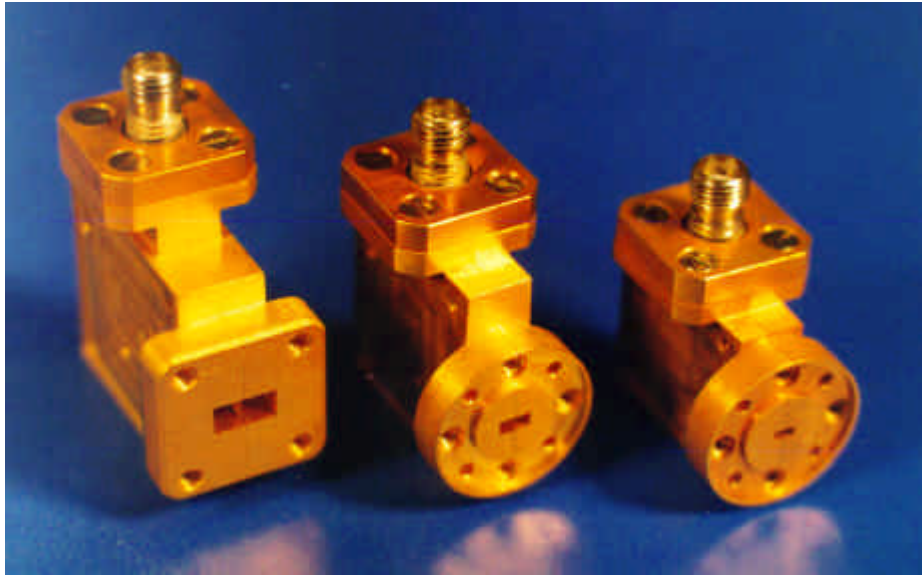


# Zero-Biased Detectors, 26.5 to 170 GHz



**ZBD-Series Zero-biased Detectors, 26.5 to 170 GHz.**  
*Typical Ka-band sensitivity 3,500 mV/mW.*

## Specifications

MODEL NUMBER	ZBD-28	ZBD-22	ZBD-19	ZBD-15	ZBD-12	ZBD-10	ZBD-08	ZBD-06
Frequency Range (GHz)	26.5-40	33-50	40-60	50-75	60-90	75-110	90-140	110-170
Input Waveguide	WR28	WR22	WR19	WR15	WR12	WR10	WR8	WR6
Waveguide Flange	UG-599/U	UG-383/U	UG-383/U-M	UG-385/U	UG-387/U	UG-387/U-M	UG-387/U-M	UG-387/U-M
Typical Video Sensitivity at -20 dBm Input (mV/mW)	3500	3000	2500	2000	1700	1500	1300	500
Minimum Video Sensitivity (mV/mW)	2000	1500	1300	1000	800	700	500	200
Typical Flatness(dB)	±1.5	±1.5	±1.5	±1.5	±2.0	±2.0	±2.5	±2.5
Video Output Load (MegOhms)	1	1	1	1	1	1	1	1
Typical Video Bandwidth (MHz)	10	10	10	10	10	10	10	10
Incident max. CW RF Power (dBm)	+20	+20	+20	+20	+20	+20	+20	+20

*ZBD-series Zero-Biased Detectors are available in both polarities. Using a Schottky barrier beam lead diode design, these detectors offer a cost-effective solution for broadband power detection systems. They provide high sensitivity to small signals, and linear response up to -10 dBm.*