



ZERO BIAS SCHOTTKY DETECTORS



Frequency Range	Model	Frequency Response	Maximum VSWR	Input Connector	Output Connector Options
10 MHz - 18.5 GHz	109	± 0.3 dB to 12.4 GHz ± 0.6 dB to 18.5 GHz	1.15 to 4 GHz 1.30 to 15 GHz 1.40 to 18.5 GHz	N Male	(A) SMA Female or (B) BNC Female or (S) SMC Jack
10 MHz - 20 GHz	201	± 0.5 dB	1.35	3.5 mm Male	
10 MHz - 26.5 GHz	202	± 0.5 dB to 20 GHz ± 0.8 dB to 26.5 GHz	1.35 to 20 GHz 1.50 to 26.5 GHz	3.5 mm Male	
10 MHz - 40 GHz	203 or 203K	± 0.5 dB to 20 GHz ± 0.8 dB to 26.5 GHz ± 1.5 dB to 40 GHz	1.35 to 20 GHz 1.50 to 26.5 GHz 2.00 to 40 GHz	2.4 mm Male or 2.92 mm Male	
100 MHz - 18.5 GHz	209	± 0.3 dB to 12.4 GHz ± 0.6 dB to 18.5 GHz	1.15 to 4 GHz 1.30 to 15 GHz 1.40 to 18.5 GHz	N Male	
100 MHz - 20 GHz	301	± 0.5 dB	1.35	3.5 mm Male	
100 MHz - 26.5 GHz	302	± 0.5 dB to 20 GHz ± 0.8 dB to 26.5 GHz	1.35 to 20 GHz 1.50 to 26.5 GHz	3.5 mm Male	
100 MHz - 40 GHz	303 or 303K	± 0.5 dB to 20 GHz ± 0.8 dB to 26.5 GHz ± 1.5 dB to 40 GHz	1.35 to 20 GHz 1.50 to 26.5 GHz 2.00 to 40 GHz	2.4 mm Male or 2.92 mm Male	

PLANAR DOPED BARRIER DETECTORS



Frequency Range	Model	Frequency Response	Maximum VSWR	Input Connector	Output Connector Options
10 MHz - 18.5 GHz	110	± 0.3 dB to 12.4 GHz ± 0.6 dB to 18.5 GHz	1.15 to 4 GHz 1.30 to 15 GHz 1.40 to 18.5 GHz	N Male	(A) SMA Female or (B) BNC Female or (S) SMC Jack
10 MHz - 20 GHz	601	± 0.3 dB	1.30	3.5 mm Male	
10 MHz - 26.5 GHz	602	± 0.3 dB to 20 GHz ± 0.6 dB to 26.5 GHz	1.30 to 20 GHz 1.40 to 26.5 GHz	3.5 mm Male	
10 MHz - 40 GHz	603 or 603K	± 0.3 dB to 20 GHz ± 0.6 dB to 26.5 GHz ± 1.0 dB to 40 GHz	1.30 to 20 GHz 1.40 to 26.5 GHz 1.70 to 40 GHz	2.4 mm Male or 2.92 mm Male	
100 MHz - 18.5 GHz	210	± 0.3 dB to 12.4 GHz ± 0.6 dB to 18.5 GHz	1.15 to 4 GHz 1.30 to 15 GHz 1.40 to 18.5 GHz	N Male	
100 MHz - 20 GHz	701	± 0.3 dB	1.30	3.5 mm Male	
100 MHz - 26.5 GHz	702	± 0.3 dB to 20 GHz ± 0.6 dB to 26.5 GHz	1.30 to 20 GHz 1.40 to 26.5 GHz	3.5 mm Male	
100 MHz - 40 GHz	703 or 703K	± 0.3 dB to 20 GHz ± 0.6 dB to 26.5 GHz ± 1.0 dB to 40 GHz	1.30 to 20 GHz 1.40 to 26.5 GHz 1.70 to 40 GHz	2.4 mm Male or 2.92 mm Male	



COAXIAL PLANAR TUNNEL DIODE DETECTORS

Model	Frequency (GHz)	Voltage Sensitivity $\mu\text{V}/\mu\text{W}$ Typical	Tss (-dBm) Typ	VSWR (Typical)	Flatness ($\pm\text{dB}$ Max)	Video Capacitance (pF)
KDT0120	0.1 - 2.0	0.80	51	2.00	0.75	470
KDT0140	0.1 - 4.0	0.80	51	2.20	0.75	470
KDT0112	0.1 - 12.4	0.80	50	2.50	1.00	470
KDT0518	0.5 - 18.5	0.50	50	3.50	1.00	100
KDT1018	1.0 - 18.0	0.40	47	3.50	1.00	50
KDT2018	2.0 - 18.0	0.50	47	3.50	1.00	20
KDT6018	6.0 - 18.0	0.70	47	3.00	0.75	10
KDT8018	8.0 - 18.0	0.70	47	3.00	0.75	10



COAXIAL THRESHOLD DETECTORS

Model	Frequency (GHz)	VSWR (Typical)	Threshold Variation ($\pm\text{dB}$, Max.)
KTH0120	0.1 - 2.0	2.00	0.75
KTH0140	0.1 - 4.0	2.60	0.75
KTH0112	0.1 - 12.4	2.70	1.00
KTH0518	0.5 - 18.5	3.50	1.00
KTH2018	2.0 - 18.0	3.00	1.00
KTH6018	6.0 - 18.0	3.00	0.75
KTH8018	8.0 - 18.0	3.00	0.75