

# HEROTEK, INC.

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**Detectors Models Listed Below in Stock for Immediate Delivery.**  
Consult factory for more details.

## Zero Bias Schottky Diode Detectors

Model	Freq Range	Max VSWR	Max Flatness (+/-dB)	Low Level Sensitivity (mV / $\mu$ W)	Connector Input	Connector Output	Outline	Output Polarity
DZM040AA	100 KHz - 4.0 GHz	1.3:1	0.1 (Per 100KHz) 0.3 (overall)	0.5	SMA (M)	SMA (F)	A	Negative
DHM124AA	10 MHz - 12.4 GHz	1.4:1	0.5	1.0	SMA (M)	SMA (F)	A	Negative
DHM124AAP								Positive
DZR124AA	10 MHz - 12.4 GHz	1.25:1	0.3	0.5	SMA (M)	SMA (F)	A	Negative
DZR124AAP								Positive
DZM124NB	10 MHz - 12.4 GHz	1.2:1 (to 4.5 GHz) 1.3:1 (to 7 GHz) 1.4:1 (to 12.4 GHz)	0.2 (per octave) 0.5 (overall)	0.5	Type N (M)	BNC (F)	NB	Negative
DZM124NBP								Positive
DZ1018	1 GHz - 18.0 GHz	8.0:1 (Typical)	1.0 (Typical)	1.8	SMA (M)	SMA (F)	B	Negative
DZ1018P								Positive
DHM185AA	10 MHz - 18.5 GHz	1.5:1	0.5	1.0	SMA (M)	SMA (F)	A	Negative
DZR185AA								Positive
DZR185AAP	10 MHz - 18.5 GHz	1.25:1	0.5	0.5	SMA (M)	SMA (F)	A	Negative
DZM185AB								Positive
DZM185ABP					Type N (M)	BNC (F)	NB	Negative
DZM185NB								Positive
DZM185NBP								
DZ1026	1 GHz - 26.0 GHz	8.0:1 (Typical)	1.5 (Typical)	1.6	SMA (M)	SMA (F)	B	Negative
DHM265AAP	10 MHz - 26.5 GHz	1.5:1 (to 18.5 GHz) 2:1 (to 26.5 GHz)	0.5 (to 18.5 GHz) 1.0 (to 26.5 GHz)	1.0	SMA (M)	SMA (F)	A	Positive
DZR265AA								Negative
DZR265AAP								Positive
DZR400KA	10 MHz - 40 GHz	1.3:1 (to 18 GHz) 1.8:1 (to 40 GHz)	0.3 (to 18 GHz) 0.6 (to 26 GHz) 1.0 (to 40 GHz)	0.4	K (M) (2.9mm)	SMA (F)	C1	Negative
DZR400KAP								Positive
DZR50024A	10 MHz - 50 GHz	1.3:1 (to 18 GHz) 1.6:1 (to 26 GHz) 1.8:1 (to 40 GHz) 2.0:1 (to 50 GHz)	0.3 (to 18 GHz) 0.6 (to 26 GHz) 0.8 (to 40 GHz) 1.0 (to 50 GHz)	0.5	2.4mm (M)	SMA (F)	24A	Negative
DZR50024AP								Positive

## Tunnel Diode Detector for Pulse CW Power Monitoring

Model	Freq Range	Typ Sensitivity K (mV/mW)	Rise Time (nsec)	Max Input Power (W)	Max VSWR	Connector Input	Connector Output
DTM180AA	1.0 - 18.0	300	2 (max) 1 (typ)	1	2:1	SMA (M)	SMA (F)

## Tunnel Diode Detector

Model	Freq Range (GHz)	Min Sensitivity K (mV / mW)	Typical TSS (dBm)	Max Flatness (+/- dB)	Typ VSWR	Typ Output Capacitance (pF)	Outline	Output
DT0105	0.1 - 0.5	1000	-51	0.75	2.0:1	200	B	Negative
DT1020P	1.0 - 2.0	1000	-51	0.5	2.0:1	20	B	Positive
DT1218P	12.0 - 18.0	750	-50	0.7	2.5:1	10	B	Positive
DT2018	2.0 - 18.0	700	-50	1.0	3.4:1	10	B	Negative
DT2018P	2.0 - 18.0	700	-50	1.0	3.4:1	10	B	Positive
DT2018K	2.0 - 18.0	600	-49	1.5	3:1	10	K, Z1	Negative
DT6018PZ1	6.0 - 18.0	600	-49	1.0	3:1	10	K, Z1	Positive
DT1840	18.0 - 40.0	300	-46	1.75	4.0:1	10	C1	Negative
DT2640	26.0 - 40.0	300	-46	1.5	4.0:1	10	C1	Negative