

ZERO-BIAS SCHOTTKY DIODE DETECTORS

100 KHz TO 40 GHz

FEATURES:

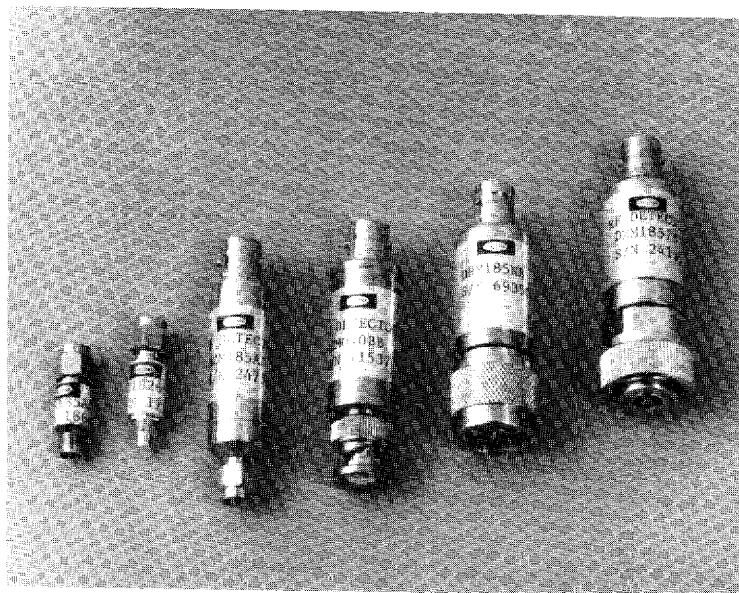
- o NO BIAS REQUIRED
- o MATCHED INPUT FOR EXCELLENT VSWR **
- o EXTREMELY FLAT FREQUENCY RESPONSE **
- o VERY HIGH SENSITIVITY (DZ SERIES)
- ** (DZR & DZM SERIES)

APPLICATIONS:

- o LAB TESTING
- o POWER MONITORING
- o LEVEL CIRCUIT

ENVIRONMENTAL RATING:

- o MAX INPUT POWER . . . 200 mW CW**
100 mW (DZ Series)
- o TEMP RANGE -55° C to +100° C**
-45° C to +85° C (DZM Series)
- o SHOCK 50G, 11 msec
- o VIBRATION 20G, 100 to 2000 Hz
- ** (DZR & DZM Series)



SPECIFICATIONS (@ +25° C)

MODEL ^{1,2}	FREQUENCY RANGE	MAXIMUM VSWR	MAXIMUM FLATNESS (± dB)	LOW LEVEL SENSITIVITY (mV/μW)	CONNECTOR		SIZE (INCHES)	
					INPUT	OUTPUT	LENGTH	DIA
DZR124AA	10 MHz-12.4 GHz	1.25:1	0.3	0.5	SMA(M)	SMA(F)	1.05	0.32
DZR124AC					SMA(M)	SMC(M)	1.47	0.32
DZR185AA	10 MHz-18.5 GHz	1.25:1	0.5	0.5	SMA(M)	SMA(F)	1.05	0.32
DZR185AC					SMA(M)	SMC(M)	1.47	0.32
DZR265AA	10 MHz-26.5 GHz	1.3:1 (to 18.5 GHz)	0.5 (to 18.5 GHz)	0.5	SMA(M)	SMA(F)	1.05	0.32
DZR265AC		2.0:1 (to 26.5GHz)	1.0 (to 26.5 GHz)	0.5	SMA(M)	SMC(M)	1.47	0.32
DZM020BB	100 KHz-2.0 GHz	1.3:1	0.1 (per 100 KHz)	0.5	BNC(M)	BNC(F)	2.48	0.51
DZM040BB	100 KHz-4.0 GHz		0.3 (overall)	0.5		BNC(F)		
DZM124AB	10 MHz-12.4 GHz	1.2:1 (to 4.5 GHz)	0.2 (per octave)	0.5	SMA(M)	BNC(F)	2.50	0.56
DZM124NB		1.3:1 (to 7 GHz)	0.5 (overall)	0.5	Type N (M)	BNC(F)	2.46	0.75
DZM185AA	10 MHz-18.5 GHz	1.2:1 (to 4 GHz)	0.2 (per octave to 8 GHz)	0.5	SMA(M)	SMA(F)	1.05	0.32
DZM185AB		1.5:1 (to 18.5 GHz)			SMA(M)	BNC(F)	2.50	0.56
DZM185AB2		1.2:1 (to 4 GHz)	0.3 (for 10 MHz to 8 GHz)	0.5	SMA(M)	BNC(F)	1.89	0.39
DZM185AC		1.5:1 (to 18.5 GHz)			SMA(M)	SMC(M)	1.2	0.32
DZM185NB		1.2:1 (to 4 GHz)	0.5 (overall)	0.5	Type N (M)	BNC(F)	2.46	0.75
DZM1857B		1.5:1 (to 18.5 GHz)			APC-7	BNC(F)	2.59	0.75

1. Negative output polarity standard. Add "P" to end of model number for positive output polarity.
2. Matched pairs available at extra charge for frequency response within ± 0.3 dB below 18.5 GHz and ± 0.5 dB from 18.5 to 26.5 GHz. Add "M" to end of model number.

SEE PAGE 2 FOR MORE MODELS.



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