

FEATURES

- No Bias Required
- Matched Input for Excellent VSWR
- 3 dB More Sensitive (1.0 mV / μ W) Than Traditional Matched Zero Bias Detectors
- Very Wide Dynamic Range, 10 μ V to 5V (For Input Power - 50 dBm to +20 dBm)
- Extremely Flat Frequency Response



APPLICATIONS

- Precision Test Equipment
- Transmitter Monitoring
- Power and Signal Monitoring
- Radar or Missile Guidance Systems
- Lab Testing

ENVIRONMENTAL RATINGS

Max Input Power..... 200 mW
 Temperature Range..... -55°C to +100°C
 Shock..... 50G, 11 msec
 Vibration..... 20G, 100 to 2000

Specifications: (@ +25°C)

MODEL	FREQUENCY RANGE (GHz)	MAX VSWR	MAXIMUM FLATNESS ($\pm$ dB)	LOW LEVEL SENSITIVITY (mV / μ W)	HIGH LEVEL OUTPUT @ +13dBm (V)	CONNECTOR		SIZE (INCHES)		OUTLINE
						INPUT	OUTPUT	LENGTH	DIA	
DHM020BB	100 KHz - 2.0 GHz	1.3:1	0.1 (per 100KHz) 0.3 (overall)	1.0	2	BNC (M)	BNC (F)	2.48	0.68	BB ³
DHM040BB	100 KHz - 4.0 GHz									
DHM124AA	10 MHz - 12.4 GHz	1.4:1	0.5	1.0	2	SMA (M)	SMA (F)	1.05	0.32	A
DHM124AB						SMA (M)	BNC (F)	2.50	0.56	AB ³
DHM124NB						N (M)	BNC (F)	2.46	0.75	NB ³
DHMA18AB	10 MHz - 18.5 GHz	1.5:1	0.5	1.0	2	SMA (M)	BNC (F)	1.89	0.39	AB2 ³
DHM185AB							BNC (F)	2.50	0.56	AB1 ³
DHM185AC							SMC (M)	1.20	0.32	AC1
DHM185AA	10 MHz - 18.5 GHz	1.4:1	0.5	1.0	2	SMA (M)	SMA (F)	1.05	0.32	A
DHM185NB						N (M)	BNC (F)	2.46	0.75	NB ³
DHM1857B						APC-7	BNC (F)	2.59	0.75	7B ³
DHM265AA	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	2	SMA (M)	SMA (F)	1.05	0.32	A
DHMA26AB							BNC (F)	1.89	0.39	AB2 ³
DHM265AC							SMC (M)	1.20	0.32	AC1
DHM2653B			1.0	1.0	2	APC 3.5 (M)	BNC (F)	1.89	0.39	3B ³
DHM2653C							SMC (M)	1.70	0.38	3C ³

Note 1: Negative output polarity standard. Add "P" to end of model number for positive output polarity

Note 2: Matched pairs available at extra charge for frequency response within $\pm$ 0.3 dB below 18.5 GHz and $\pm$ 0.5 dB from 18.5 to 26.5 GHz. Add "M" to end of model number.

Note 3: Consult Factory for more details.

For Package Outlines see Outline Drawings Page