AMPLIFIER RESEARCH
160 School House Road, Souderton, PA 18964-9990 USA
Phone 215-723-8181•FAX 215-723-5688

MODEL DC6580A, M1, M2
MODEL DC6580, M1
DUAL DIRECTIONAL COUPLER
1500 WATTS CW
80 - 1000 MHz

The Model DC6580A is a dual directional coupler with excellent frequency range and power handling capability. The wide range assures flexibility in coupling medium power amplifiers to oscilloscopes, voltmeters, power meters, spectrum analyzers and other measuring instruments. The dual directional design allows the user to monitor both forward and reflected power, a much needed characteristic in RF susceptibility testing for amplifier overdrive protection, field control and load protection. Low insertion loss allows efficient coupling to the load.

The Model DC6580A is uniquely suited for use with our "W" series high power amplifiers, other amplifiers operating within this frequency range, and our PM2002 power meter.

SPECIFICATIONS
Model DC6580

FREQUENCY RANGE.....*80 - 1000 MHz*

POWER (maximum).....*See Model Configuration*

COUPLING FACTOR.....*50 dB ± 1 dB (includes flatness)*

COUPLING FLATNESS.....*± 0.5dB*

DIRECTIVITY
Typical.....*25 dB*
Minimum.....*20 dB*

INSERTION LOSS.....*0.15 dB maximum*

IMPEDANCE (Main Line).....*50 ohms, VSWR 1.2:1 maximum*

CONNECTORS
Main Line.....*See Model Configuration*
Coupled.....*See Model Configuration*

WEIGHT.....*0.6 kg, 1.2 lb*

SIZE (WxHxD).....*7.62 x 7.62 x 2.79 cm*
3.0 x 3.0 x 1.1 in.

Model Configuration

Model Number	*Main Connector J1/J2*	*Coupled Connector J3/J4*	*Power*	
			Watts, CW	*Watts Peak*
DC6580A	*C(M)/C(F)*	*N(F)/N(F)*	*1500*	*3000*
DC6580AM1	*7-16(M)/7-16(F)*	*N(F)/N(F)*	*1500*	*3000*
DC6580AM2	*N(M)/N(F)*	*N(F)/N(F)*	*800*	*1600*
DC 6580	*C(F)/C(F)*	*BNC(F)/BNC(F)*	*1500*	*3000*
DC6580M1	*7-16(F)/7-16(F)*	*N(F)/N(F)*	*1500*	*3000*

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