



**Model DC6580A, M1, M2
DC6580, M1, M2
Dual Directional Coupler
1500 Watts CW
80MHz-1000MHz**

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 PM2003 power meter.

SPECIFICATIONS

- FREQUENCY RANGE.....80-1000 MHz
- POWER (maximum)See Model Configuration
- COUPLING FACTOR50 dB \pm 1 dB (includes flatness)
- COUPLING FLATNESS..... \pm 0.5dB
- DIRECTIVITY
 - Typical25 dB
 - Minimum20 dB
- INSERTION LOSS0.15 dB maximum
- IMPEDANCE (Main Line)50 ohms, VSWR 1.2:1 maximum
- CONNECTORSSee Model Configuration
- WEIGHT0.6 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
DC6580M2	SC(F)/SC(F)	N(F)/N(F)	1500	3000