



**Model DC6080, M2, M3,  
Dual Directional Coupler  
200 Watts CW  
80 MHz –1000MHz**

The Model DC6080 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 while the 40 dB coupling factor is well matched to typical laboratory equipment.

**SPECIFICATIONS**

FREQUENCY RANGE.....	80–1000 MHz
POWER (maximum) .....	See Model Configurations
COUPLING FACTOR .....	40 dB ± 0.5 dB (includes flatness)
COUPLING FLATNESS.....	± 0.4dB
DIRECTIVITY	
Typical.....	25 dB
Minimum .....	20 dB
INSERTION LOSS .....	0.25 dB maximum
MISMATCH TOLERANCE .....	Open or short, 200 watts
IMPEDANCE (Main Line) .....	50 ohms, VSWR 1.2:1 maximum
CONNECTORS .....	See Model Configurations
WEIGHT.....	0.45 kg, 1.0 lb

**MODEL CONFIGURATIONS**

Model	Mainline	Coupled	Power	Size (WxHxD)
DC6080	N(F)-N(F)	BNC(F)-BNC(F)	200/1000	7.62 x 7.62 x 2.86 cm 3.0 x 3.0 x 1.125 in
DC6080M2	N(F)-N(F)	N(F)-N(F)	200/1000	7.62 x 7.62 x 2.86 cm 3.0 x 3.0 x 1.125 in
DC6080M3	N(F)-N(F)	SMA(F)-SMA(F)	200/1000	7.62 x 7.62 x 2.86 cm 3.0 x 3.0 x 1.125 in