



Model DC6080A
Model DC6080, M1 through M3
Dual Directional Coupler
80 MHz–1000MHz

The Models DC6080 and DC6080A are dual directional couplers with excellent frequency range and power handling capability. The wide range assures flexibility in coupling medium power amplifiers to oscilloscopes, receivers, 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.

The export classification for this equipment is EAR99. These commodities, technology or software are controlled for export in accordance with the U.S. Export Administration Regulations. Diversion contrary to U.S. law is prohibited.

SPECIFICATIONS

- FREQUENCY RANGE.....80–1000 MHz
- POWER (maximum)See Model Configurations
- COUPLING FACTOR40 dB ± 1 dB (includes flatness)
- COUPLING FLATNESS.....± 0.5dB
- DIRECTIVITY
 - Typical25 dB
 - Minimum20 dB
- INSERTION LOSS0.25 dB maximum
- MISMATCH TOLERANCEOpen or short, 200 watts CW
- IMPEDANCE (Main Line).....50 ohms, VSWR 1.2:1 maximum
- CONNECTORSSee Model Configurations
- SIZE.....7.62 x 7.62 x 2.77 cm (3.0 x 3.0 x 1.09 in)
- WEIGHT0.45 kg, 1.0 lb

Model	Model Configurations		Power, Watts CW
	Mainline	Coupled	
DC6080A	N(M)-N(F)	N(F)-N(F)	500
DC6080	N(F)-N(F)	BNC(F)-BNC(F)	200
DC6080M1	N(F)-N(F)	N(F)-N(F)	500
DC6080M2	N(F)-N(F)	N(F)-N(F)	200
DC6080M3	N(F)-N(F)	SMA(F)-SMA(F)	200