



**Model DC6280A, M1, M2, M3**  
**Model DC6280, M1A, M2, M3, M4, M5, M6**  
**Dual Directional Coupler**  
**1500 Watts CW**  
**80-1000 MHz.**

The Model DC6280A 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 DC6280A is uniquely suited for use with our "W" series high power amplifiers, other amplifiers operating within this frequency and power range, and our PM2002 power meter.

**SPECIFICATIONS**  
**Model DC6280A**

FREQUENCY RANGE ..... 80 - 1000 MHz

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

COUPLING FACTOR..... 63 dB ± 1 dB (includes flatness)

COUPLING FLATNESS..... ± 0.5 dB

DIRECTIVITY

    Typical..... 25 dB

    Minimum ..... 20 dB

INSERTION LOSS ..... 0.15 dB maximum

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

CONNECTORS..... See Model Configuration

WEIGHT ..... 0.6 kg, 1.2 lb

SIZE (W x H x D) ..... 10.9 x 6.3 x 3.2 cm; 4.3 x 2.5 x 1.3 in

**Model Configuration**

Model Number	Mainline Connectors J1/J2	Coupled Connectors J3/J4	Power (WATTS) CW/Peak
DC6280A	C(M)/C(F)	N(F)/N(F)	1500/3000
DC6280AM1	7-16(M)/7-16(F)	N(F)/N(F)	1500/3000
DC6280AM2	N(M)/N(F)	BNC(F)/BNC(F)	800/1600
DC6280AM3	N(M)/N(F)	N(F)/N(F)	800/1600
DC6280AM4	C(M)/N(F)	N(F)/N(F)	800/1600
DC6280	C(F)/C(F)	BNC(F)/BNC(F)	1500/3000
DC6280M1A	N(F)/N(F)	N(F)/N(F)	800/1600
DC6280M2	7-16(F)/7-16(F)	BNC(F)/BNC(F)	1500/3000
DC6280M3	C(F)/C(F)	N(F)/N(F)	1500/3000
DC6280M4	SC(F)/SC(F)	BNC(F)/BNC(F)	1500/3000
DC6280M5	LC(F)/LC(F)	BNC(F)/BNC(F)	1500/3000
DC6280M6	7-16(F)/7-16(F)	N(F)/N(F)	1500/3000