

**MODEL DC6380, M1, M2  
DUAL DIRECTIONAL COUPLER  
3000/4500/7000 WATTS CW  
80 - 1000 MHz**

The Model DC6380 is a dual directional coupler with excellent frequency range and power handling capability. The wide range assures flexibility in coupling high 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 coupling factor is well matched to typical laboratory equipment.

The DC6380 series is ideally suited for use with the AR Worldwide Model 2000W1000A, 3000W1000A, 4000W1000A and other high power amplifiers in this frequency range.

**SPECIFICATIONS, DC6380**

Frequency Range .....	80 - 1000 MHz
Power (Maximum) (Infinite VSWR).....	See Model Configuration
(50 ohms, 1.0:1 VSWR) .....	7000 watts cw 10,000 watts peak
Coupling Factor .....	See Model Configuration
Coupling Flatness .....	± 1.0 dB
Directivity.....	25 dB typical 20 dB minimum
Insertion Loss .....	0.15 dB maximum
Impedance (Main Line).....	50 ohms VSWR 1.5:1 maximum
Connectors	
Mainline .....	EIA Flange 1 5/8 inch male
Coupled .....	N female
Weight (Maximum).....	1.8 kg 4.0 lb
Size (W x H x D) .....	20.3 x 8.9 x 10.2 cm 8.0 x 3.5 x 4.0 in

Model Number	Model Configuration	
	Coupling Factor	Power (cw/peak)
DC6380	65 ± 1.5 dB	3000 watts/6000 watts
DC6380M1	68 ± 1.5 dB	4500 watts/9000 watts
DC6380M2	70 ± 1.5 dB	7000 watts/10,000 watts