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MODEL DC6180A
MODEL DC6180, M1, M2, M3, M4, M5, M6
DUAL DIRECTIONAL COUPLER
600 WATTS CW
80 - 1000 MHz

The Model DC6180A 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 60 dB coupling factor is well matched to typical laboratory equipment.

The Model DC6180A is recommended for use with our high power "W" Series Amplifiers.

SPECIFICATIONS
Model DC6180A

FREQUENCY RANGE 80 - 1000 MHz

POWER (maximum) See Model Configuration

COUPLING FACTOR See Model Configuration

COUPLING FLATNESS ± 0.5dB

DIRECTIVITY

<i>Typical</i>	25 dB
<i>Minimum</i>	20 dB

INSERTION LOSS 0.15 dB maximum

IMPEDANCE (Main Line) 50 ohms, VSWR 1.15:1 maximum

CONNECTORS See Model Configuration

WEIGHT 0.6 kg, 1.2 lb

SIZE (WxHxD) 10.9 x 6.3 x 3.2 cm
4.3 x 2.5 x 1.3 in

Model Configuration

Model Number	Mainline Connector J1/J2	Coupled Connector J3/J4	Power (Watts) CW/Peak	Coupling (dB)
DC6180A	N(M)/N(F)	N(F)/N(F)	600/1000	60±1.0
DC6180	N(F)/N(F)	BNC(F)/BNC(F)	600/1000	60±1.0
DC6180M1	N(F)/N(F)	N(F)/N(F)	600/1000	60±1.0
DC6180M2	N(F)/N(F)	SMA(F)/SMA(F)	600/1000	60±1.0
DC6180M3		See DC6180M3 Specification Sheet		
DC6180M4		See DC6180M4 Specification Sheet		
DC6180M5		See DC6180M5 Specification Sheet		
DC6180M6	N(F)/N(F)	N(F)/N(F)	500/1000	50±1.0

