



160 School House Road, Souderton, PA 18964-9990 USA
Phone 215-723-8181•FAX 215-723-5688

**MODEL DC2500A, M1
MODEL DC2500
M2, M3, M4, M5, M6
DUAL DIRECTIONAL COUPLER
2500 WATTS CW
10kHz - 220MHz**

Amplifier Research Model DC2500A is a high power ultra-broadband coupler with excellent performance characteristics over a range of more than 14 octaves. This Dual Directional Coupler is a convenient means of simultaneously monitoring forward and reverse power in high power systems using normal laboratory oscilloscopes, voltmeters, powermeters, and spectrum analyzers. Model DC2500A is recommended for use with our "A" and "L" series amplifiers, and other amplifiers operating within the frequency and power range.

**SPECIFICATIONS
DC2500A**

Frequency Range.....	10kHz to 220MHz
Power (Maximum).....	See Model Configuration
Coupling Factor.....	50 $\pm$ 1 dB (includes flatness)
Coupling Flatness.....	$\pm$ 0.9dB
Directivity.....	25 dB typical 20 dB minimum
Insertion Loss.....	0.15 dB maximum
Impedance (Main Line).....	50 ohms VSWR 1.2:1 maximum
Connectors.....	See Model Configuration
Weight (Maximum).....	1.13 kg 2.5 lb.
Size (W x H x D).....	26.6 cm x 8.1 cm x 7.6 cm 10.1 in x 3.2 in x 3.0 in

Model Configuration

Model Number	Mainline Connector J1/J2	Coupled Connector J3/J4	Power (Watts) CW/Peak
DC2500A	C(M)/C(F)	N(F)/N(F)	2500/5000
DC2500AM1	N(M)/N(F)	N(F)/N(F)	1000/2000
DC2500	C(F)/C(F)	BNC(F)/BNC(F)	2500/5000
DC2500M2	N(F)/N(F)	BNC(F)/BNC(F)	1000/2000
DC2500M3	N(F)/N(F)	N(F)/N(F)	1000/2000
DC2500M4	7-16(F)/7-16(F)	BNC(F)/BNC(F)	2500/5000
DC2500M5	C(F)/C(F)	N(F)/N(F)	2500/5000
DC200M6	7-19(F)/7-16(F)	N(F)/N(F)	2500/5000

