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

MODEL DC2600A
MODEL DC2600, M1, M2
DUAL DIRECTIONAL COUPLER
10 kHz - 100 MHz, 600 WATTS
100 MHz - 250 MHz, 300 WATTS

Amplifier Research Model DC2600A 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, power meters, and spectrum analyzers.

The Model DC2600A is recommended for use with our "A" and "L" series amplifiers, and other amplifiers operating within the frequency and power range.

SPECIFICATIONS
DC2600A

Frequency Range ..... *10KHz to 250MHz*

Power (maximum) ..... *600 watts CW, 1200 Watts Peak*
10kHz-100MHz
300 watts CW, 600 Watts Peak
100MHz-250MHz

Coupling Factor ..... *50dB ± 1dB (includes flatness)*

Coupling Flatness ..... *± 0.5dB*

Directivity ..... *25 dB typical*
18 dB minimum

Insertion Loss ..... *0.25 dB maximum*

Impedance (Main Line) ..... *50 ohms VSWR 1.30:1 maximum*

Connectors ..... *See Model Configuration*

Weight (Maximum) ..... *0.64 kg*
1.4 lb.

Size (W x H x D) ..... *10.2 cm x 7.6 cm x 6.6 cm*
4.0 in x 3.0 in x 2.6 in

Model Configuration

Model Number	*Mainline Connector J1/J2*	*Coupled Connector J3/J4*
DC2600A	*N(M)/N(F)*	*N(F)/N(F)*
DC2600	*N(F)/N(F)*	*SMA(F)/SMA(F)*
DC2600M1	*N(F)/N(F)*	*BNC(F)/BNC(F)*
DC2600M2	*N(F)/N(F)*	*N(F)/N(F)*

REV052002