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MODEL DC2035
DUAL DIRECTIONAL COUPLER
3500 WATTS CW
10 kHz - 220 MHz

Amplifier Research Model DC2035 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 DC2035 is recommended for use with our “A” and “L” series amplifiers and other amplifiers operating within the frequency and power range.

SPECIFICATIONS
DC2035

<i>Frequency Range</i>	<i>10KHz to 220MHz</i>
<i>Power (Maximum)</i>	<i>3500 watts CW</i> <i>7000 watts Peak</i>
<i>Coupling Factor</i>	<i>50 ±1 dB (includes flatness)</i>
<i>Coupling Flatness</i>	<i>± 0.9dB</i>
<i>Directivity</i>	<i>25 dB typical</i> <i>20 dB minimum</i>
<i>Insertion Loss</i>	<i>0.15 dB maximum</i>
<i>Impedance (Main Line)</i>	<i>50 ohms VSWR 1.2:1 maximum</i>
<i>Mismatch Tolerance</i>	<i>6:1 @ 3500 watts</i>
<i>Connectors</i>	
<i>Mainline</i>	<i>Type C Female (J1 and J2)</i>
<i>Coupled</i>	<i>Type BNC Female (J3 and J4)</i>
<i>Cooling</i>	<i>Integral AC powered fans.</i> <i>Customer must supply 120 or 240 VAC (DC fan option available).</i>
<i>Weight (Maximum)</i>	<i>1.8 kg</i> <i>4.0 lb.</i>
<i>Size (W x H x D)</i>	<i>11.7 cm x 8.9 cm x 25.4 cm</i> <i>4.6 in x 3.5 in x 10.0 in</i>

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