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**MODEL DC4000**  
**DUAL DIRECTIONAL COUPLER**  
**15,000 WATTS CW**  
**10 kHz - 100 MHz**

Amplifier Research Model DC4000 is a high power, ultra-broadband coupler with excellent performance characteristics over a range of 4 decades. 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 DC4000 is recommended for use with our Model 10,000L series amplifiers, and other amplifiers operating within the frequency and power range.

*SPECIFICATIONS*  
*Model DC4000*

<i>FREQUENCY RANGE</i> .....	<i>10 kHz - 100 MHz</i>
<i>POWER (Maximum)</i> .....	<i>15 kW CW</i> <i>50 kW Peak</i>
<i>COUPLING FACTOR</i> .....	<i>60 dB ± 1 dB (includes flatness)</i>
<i>COUPLING FLATNESS</i> .....	<i>± 0.9dB</i>
<i>DIRECTIVITY</i>	
<i>Typical</i> .....	<i>25 dB</i>
<i>Minimum</i> .....	<i>20 dB</i>
<i>INSERTION LOSS</i> .....	<i>0.1 dB maximum</i>
<i>IMPEDANCE (Main Line)</i> .....	<i>50 ohms, VSWR 1.25:1 maximum</i>
<i>CONNECTORS</i>	
<i>Main Line</i> .....	<i>Type EIA flange, 1 5/8 inch male</i>
<i>Coupled</i> .....	<i>Type BNC female</i>
<i>PRIMARY POWER</i> .....	<i>120/240 VAC, 50/60 Hz</i>
<i>WEIGHT (Maximum)</i> .....	<i>6.8 kg, (15.0 lb)</i>
<i>SIZE (WxHxD)</i> .....	<i>10.2 x 25.4 x 10.2 cm.</i> <i>4.0 x 10.0 x 4.0 in..</i>