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MODEL DC4000M2
DUAL DIRECTIONAL COUPLER
15,000 WATTS CW
10 kHz - 100 MHz

Amplifier Research Model DC4000M2 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 DC4000M2 is recommended for use with our Model 10,000L series amplifiers, and other amplifiers operating within the frequency and power range.

This M2 version of the Model DC4000 has type N female connectors on the coupled ports.

SPECIFICATIONS
Model DC4000M2

<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 N 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>