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MODEL DC2100
DUAL DIRECTIONAL COUPLER
10,000 WATTS CW
20 - 200 MHz

The Model DC2100 is a dual directional coupler with excellent frequency range and power handling capability. The dual directional design allows the user to monitor both forward and reflected power, a much needed characteristic in RF susceptibility testing for amplifier overdrive protection, field control and load protection. Low insertion loss allows efficient coupling to the load while the 60dB coupling factor is well matched to typical laboratory equipment such as oscilloscopes, voltmeters, power meters, spectrum analyzers and other measuring instruments. The bandwidth and power handling capability of this coupler is ideally suited for use with the Amplifier Research Model 7500L or other high power amplifiers in the frequency range.

SPECIFICATIONS
DC2100

<i>Frequency Range</i>	<i>20 - 200 MHz</i>
<i>Power (Maximum)</i>	<i>10,000 watts CW</i> <i>20,000 watts Peak</i>
<i>Coupling Factor</i>	<i>60 ±1.0 dB (includes flatness)</i>
<i>Coupling Flatness</i>	<i>± 0.5dB</i>
<i>Directivity</i>	<i>25 dB typical</i> <i>20 dB minimum</i>
<i>Insertion Loss</i>	<i>0.1 dB maximum</i>
<i>Impedance (Main Line)</i>	<i>50 ohms VSWR 1.1:1 maximum</i>
<i>Connectors</i>	
<i>Mainline</i>	<i>EIA Flange 1 ⁵/₈ inch male</i>
<i>Coupled</i>	<i>N female</i>
<i>Weight (Maximum)</i>	<i>1.8 kg</i> <i>4.0 lb.</i>
<i>Size (W x H x D)</i>	<i>15.24 x 8.9 x 10.2 cm</i> <i>6.0 x 3.5 x 4.0 in</i>

REV082400

