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MODEL DC3002A
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M1, M2
DUAL DIRECTIONAL COUPLER
120 WATTS CW
100kHz - 1000MHz

The Model DC3002A is a high power ultra-broadband dual directional 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 reflected power in RF power systems using normal laboratory oscilloscopes, voltmeters, power meters and spectrum analyzers. The Model DC3002A is particularly recommended for use with our "W" Series amplifiers, and other amplifiers operating within the frequency and power range.

SPECIFICATIONS
DC3002A

<i>FREQUENCY RANGE</i>	<i>100kHz - 1000MHz</i>
<i>POWER (maximum)</i>	<i>120 watts CW</i> <i>1200 watts peak</i>
<i>COUPLING FACTOR</i>	<i>40 ± 0.8dB (includes flatness)</i>
<i>COUPLING FLATNESS</i>	<i>± 0.6dB</i>
<i>DIRECTIVITY</i>	<i>25dB typical</i> <i>20dB minimum</i>
<i>INSERTION LOSS (maximum)</i>	<i>0.65dB</i>
<i>IMPEDANCE main line)</i>	<i>50 ohms, VSWR 1.3:1 maximum</i>
<i>CONNECTORS</i>	<i>See Model Configuration</i>
<i>WEIGHT (maximum)</i>	<i>0.7 kg. (1.5 lb.)</i>
<i>SIZE (maximum) (W x H x D)</i>	<i>13.2 x 6.8 x 4.1 cm</i> <i>5.2 x 2.7 x 1.6 in</i>

Model Configuration

<i>Model Number</i>	<i>Mainline Connector J1/J2</i>	<i>Coupled Connector J3/J4</i>
<i>DC3002A</i>	<i>N(M)/N(F)</i>	<i>N(F)/N(F)</i>
<i>DC3002</i>	<i>N(F)/N(F)</i>	<i>SMA(F)/SMA(F)</i>
<i>DC3002M1</i>	<i>N(F)/N(F)</i>	<i>BNC(F)/BNC(F)</i>
<i>DC3002M2</i>	<i>N(F)/N(F)</i>	<i>N(F)/N(F)</i>

