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MODEL DC3400A, M1
MODEL DC3400
DUAL DIRECTIONAL COUPLER
10kHz - 400MHz

The Model DC3400A is a high power ultra-broadband dual directional coupler with excellent performance characteristics over a range of more than 15 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 DC3400A is particularly recommended for use with our "A" and "L" Series amplifiers, our PM2002 Power Meter and other amplifiers operating within the frequency and power range.

With a Frequency range of 10kHz to 400MHz, the Model DC3400A is particularly well suited for Bulk Current Injection (BCI) test applications.

SPECIFICATIONS
DC3400A

<i>FREQUENCY RANGE</i>	<i>10kHz - 400MHz</i>
<i>POWER (maximum)</i>	<i>See Model Configuration</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>0.5dB</i>
<i>IMPEDANCE (main line)</i>	<i>50 ohms, VSWR 1.25 maximum</i>
<i>CONNECTORS</i>	<i>See Model Configuration</i>
<i>WEIGHT (maximum)</i>	<i>0.8 kg (1.8 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>Power (watts) CW / Peak</i>
<i>DC3400A</i>	<i>N(M) / N(F)</i>	<i>N(F) / N(F)</i>	<i>200 / 400</i>
<i>DC3400AM1</i>	<i>N(F) / N(F)</i>	<i>N(F) / N(F)</i>	<i>250 / 500</i>
<i>DC3400</i>	<i>N(F) / N(F)</i>	<i>N(F) / N(F)</i>	<i>200 / 400</i>

