



160 School House Road, Souderton, PA 18964-9990 USA
Phone 215-723-8181•FAX 215-723-5688

MODEL DC3400A
MODEL DC3400
DUAL DIRECTIONAL COUPLER
200 WATTS CW
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, 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>200 watts CW</i> <i>400 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>0.5dB</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</i> <i>J1/J2</i>	<i>Coupled Connector</i> <i>J3/J4</i>
<i>DC3400A</i>	<i>N(M)/N(F)</i>	<i>N(F)/N(F)</i>
<i>DC3400</i>	<i>N(F)/N(F)</i>	<i>N(F)/N(F)</i>

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