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MODEL DC3010A
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M1, M2
DUAL DIRECTIONAL COUPLER
50 WATTS CW
10kHz - 1000MHz

The Model DC3010A 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 DC3010A is particularly recommended for use with our "A" and "W" Series amplifiers, and other amplifiers operating within the frequency and power range.

SPECIFICATIONS
DC3010A

<i>FREQUENCY RANGE</i>	<i>10kHz - 1000MHz</i>
<i>POWER (maximum)</i>	<i>50 watts CW</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>0.6dB</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>0.9 kg. (2.0 lbs.)</i>
<i>SIZE (maximum) W x H x D)</i>	<i>12.7 x 5.1 x 3.8 cm</i> <i>5.0 x 2.0 x 1.5 in</i>

Model Configuration

<i>Model Number</i>	<i>Mainline Connector J1/J2</i>	<i>Coupled Connector J3/J4</i>	<i>Comments</i>
<i>DC3010A</i>	<i>N(M)/N(F)</i>	<i>N(F)/N(F)</i>	
<i>DC3010</i>	<i>N(F)/N(F)</i>	<i>BNC(F)/BNC(F)</i>	
<i>DC3010M1</i>	<i>N(F)/N(F)</i>	<i>N(F)/N(F)</i>	
<i>DC3010M2</i>	<i>N(F)/N(F)</i>	<i>BNC(F)/BNC(F)</i>	<i>See DC3010M2 Spec Sheet for 100W operation</i>

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