



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

**MODEL DC3510A, M1**  
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**DUAL DIRECTIONAL COUPLER**  
**200 WATTS CW**  
**9kHz - 1000MHz**

The Model DC3510A 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 DC3510A is uniquely suited for use with our “A”, “L” and “W” series low power amplifiers, other amplifiers operating within this frequency and power range, and our PM2002 power meter.

**SPECIFICATIONS**  
**DC3510A**

<i>FREQUENCY RANGE</i> .....	9kHz - 1000MHz
<i>POWER (maximum) (infinite VSWR)</i> .....	200 watts CW 400 watts peak
50 OHM (1.0:1 VSWR) .....	500 watts CW 1000 watts peak
<i>COUPLING FACTOR</i> .....	See Model Configuration
<i>COUPLING FLATNESS</i> .....	± 0.6dB
<i>DIRECTIVITY</i> .....	25dB typical 20dB minimum (.01-1000MHz) 15dB minimum (.009-.01MHz)
<i>INSERTION LOSS (maximum)</i> .....	0.5dB
<i>IMPEDANCE (main line)</i> .....	50 ohms, VSWR 1.3:1 maximum
<b>CONNECTORS</b>	
Mainline .....	See Model Configuration
Coupled .....	Type N Female
<i>WEIGHT (maximum)</i> .....	1.36 kg. (3 lbs.)
<i>SIZE (maximum) W x H x D</i> .....	15.7 x 5.8 x 4.3 cm 6.2 x 2.28 x 1.69 in

**Model Configuration**

<i>Model Number</i>	<i>Mainline Connector J1/J2</i>	<i>Coupling Factor</i>
DC3510A	N(M)/N(F)	40 ± 0.8dB
DC3510AM1	N(M)/N(F)	50 ± 0.8dB
DC3510	N(F)/N(F)	40 ± 0.8dB
DC3510M1	N(F)/N(F)	50 ± 0.8dB

