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

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
CONNECTORS	
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 Conn</i>	<i>Coupling Factor</i>
DC3510A	N(M)	40 ± 0.8dB
DC3510AM1	N(M)	50 ± 0.8dB
DC3510	N(F)	40 ± 0.8dB
DC3510M1	N(F)	50 ± 0.8dB

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