



**Model DC3510A, M1  
Model DC3510, M1  
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**

- FREQUENCY RANGE.....9kHz–1000MHz
- POWER (maximum) (infinite VSWR).....200 watts CW, 400 watts peak  
50 OHM (1.0:1 VSWR) .....500 watts CW, 1000 watts peak
- COUPLING FACTOR .....See Model Configuration
- COUPLING FLATNESS.....± 0.6dB
- DIRECTIVITY.....25dB typical  
20dB minimum (.01-1000MHz)  
15dB minimum (.009-.01MHz)
- INSERTION LOSS (maximum) .....0.5dB
- IMPEDANCE (main line).....50 ohms, VSWR 1.3:1 maximum
- CONNECTORS  
Mainline .....See Model Configuration  
Coupled .....Type N Female
- WEIGHT (maximum).....1.36 kg. (3 lbs)
- SIZE (maximum) W x H x D) .....15.7 x 5.8 x 4.3 cm (6.2 x 2.28 x 1.69 in)
- EXPORT CLASSIFICATION.....EAR99

Model Number	Model Configuration	
	Mainline Connector, J1/J2	Coupling Factor
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