



Model DC3400A, Model DC3400
Dual Directional Coupler
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-Series amplifiers, our PM2003 Power Meter 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.

The export classification for this equipment is EAR99. These commodities, technology or software are controlled for export in accordance with the U.S. Export Administration Regulations. Diversion contrary to U.S. law is prohibited.

SPECIFICATIONS

- FREQUENCY RANGE.....10kHz-400MHz
- POWER (maximum)See Model Configurations
- COUPLING FACTOR40 ± 1.0dB (includes flatness)
- COUPLING FLATNESS.....± 0.5dB
- DIRECTIVITY25dB typical
20dB minimum
- INSERTION LOSS (maximum)0.5dB
- IMPEDANCE (main line).....50 ohms, VSWR 1.30 maximum
- CONNECTORSSee Model Configuration
- WEIGHT (maximum)0.8 kg (1.8 lb.)
- SIZE (maximum) (W x H x D)13.2 x 6.8 x 4.1 cm, (5.2 x 2.7 x 1.6 in)
- EXPORT CLASSIFICATIONEAR99

Model Number	Model Configuration		Power Watts CW
	Mainline Connector J1/J2	Coupled Connector J3/J4	
DC3400A	N(M)/N(F)	N(F)/N(F)	250
DC3400AM2	N(M)/N(F)	N(F)/N(F)	200
DC3400	N(F)/N(F)	N(F)/N(F)	250
DC3400M2	N(F)/N(F)	N(F)/N(F)	200