



DC2035A

DC2035

Dual Directional Coupler

- 3500 Watts CW
- 10kHz–250MHz

Features

AR RF/Microwave Instrumentation's Model DC2035A is a high power, ultra-broadband 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 reverse power in high power systems using normal laboratory oscilloscopes, voltmeters, power meters and spectrum analyzers. The Model DC2035A is uniquely suited for use with our "A" series amplifiers, and other amplifiers operating within the frequency and power range, and our PM2003 Power Meter.

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–250MHz

POWER (Maximum): 3500W CW

COUPLING FACTOR: 50dB ±1dB (includes flatness)

COUPLING FLATNESS: ±0.9dB

DIRECTIVITY: Typical, 25dB; Minimum, 20dB

INSERTION LOSS: 0.30dB Maximum; 0.22dB Typical

IMPEDANCE (Main Line): 50 ohms, VSWR 1.2:1 maximum

MISMATCH TOLERANCE: 6:1 @ 3500W

CONNECTORS: See Model Configurations

COOLING: Integral AC powered fans, 120/240VAC, 50/60Hz

WEIGHT (maximum): 1.8 kg (4.0 lbs)

SIZE (W x H x D): 25.4 x 8.9 x 11.7 cm (10 x 3.5 x 4.6 in)

EXPORT CLASSIFICATION: EAR99

Model Configurations

Model Number	Mainline Connector J1/J2	Coupled Connectors J3/J4
DC2035A	7-16(M)/7-16(F)	N(F)/N(F)
DC2035AM1	C(M)/C(F)	N(F)/N(F)
DC2035AM2	SC(M)/SC(F)	N(F)/N(F)
DC2035	C(F)/C(F)	BNC(F)/BNC(F)
DC2035M1	C(F)/C(F)	N(F)/N(F)
DC2035M2	7-16(F)/7-16(F)	BNC(F)/BNC(F)
DC2035M3	SC(F)/SC(F)	BNC(F)/BNC(F)
DC2035M4	7-16(F)/7-16(F)	N(F)/N(F)

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