

## 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  $\pm$  1dB (includes flatness)

**COUPLING FLATNESS:**  $\pm$ 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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Approved for public release by AR RF/Microwave Instrumentation

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