

## DC4260 Dual Directional Coupler

- 20,000 Watts CW
- 10kHz–250MHz

### Features

AR RF/Microwave Instrumentation's Model DC4260 is a high power, ultra-broadband coupler with excellent performance characteristics over a range of four decades. 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 DC4260 is recommended 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):** 20kW CW

**COUPLING FACTOR:** 60dB

**COUPLING FLATNESS:**  $\pm 2$ dB

**DIRECTIVITY:** Typical, 25dB; Minimum, 20dB

**INSERTION LOSS:** 0.1 dB maximum

**IMPEDANCE (Main Line):** 50 ohms, VSWR 1.25:1 maximum

**CONNECTORS:** Main Line, Type EIA fixed flanges, 3-1/8" male; Coupled, Type N female

**PRIMARY POWER:** 2 120VAC fans

**WEIGHT:** 7.9 kg (17.5 lbs)

**SIZE (W x H x D):** 25.4 x 25.4 x 23 cm (10 x 10 x 9 in)

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Approved for public release by AR RF/Microwave Instrumentation

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