



# DC6440 Dual Directional Coupler

- M1
- 15,000 Watts
- 80-1000MHz

## Features

The Model DC6440 is a dual directional coupler with excellent frequency range and power handling capability. The wide range assures flexibility in coupling high power amplifiers to oscilloscopes, voltmeters, power meters, spectrum analyzers and other measuring instruments. The dual directional design allows the user to monitor both forward and reflected power, a much needed characteristic in RF susceptibility testing for amplifier overdrive protection, field control and load protection. Low insertion loss allows efficient coupling to the load.

The Model DC6440 is uniquely suited for use with our 10000W1000A power amplifier, and other amplifiers operating within this frequency and power range.

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:** 80 MHz-1000 MHz
- POWER (Maximum):** 15 kW CW
- COUPLING FACTOR:** See Model Configurations
- COUPLING FLATNESS:** ±1.0 dB
- DIRECTIVITY:** Typical, 20 dB; Minimum, 18 dB
- INSERTION LOSS:** 0.1 dB maximum
- IMPEDANCE (Main Line):** 50 ohms, VSWR 1.10:1 maximum
- CONNECTORS:**  
Main Line, Type EIA fixed/swivel flanges, 4-1/16"  
Coupled, Type N female
- WEIGHT (Maximum):** 3.5 kg (7.7 lbs)
- SIZE (WxH):** 15.2 x 15.8 cm (6.0 x 6.2 in)
- EXPORT CLASSIFICATION:** EAR99

## MODEL CONFIGURATIONS

Model	Coupling Factor
DC6440	70 dB
DC6440M1	60 dB

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