



DC3410, DC3410A Dual Directional Coupler

- 2000 Watts CW
- 10kHz–400MHz

Features

The Model DC3410 and DC3410A series are dual directional couplers 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 DC3410 and DC3410A series is uniquely suited for use with our 600A400 and 1000A400 power amplifiers, other amplifiers operating within this 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:** .01 MHz–400 MHz
- POWER (Maximum Watts):** 2000 CW
- COUPLING FACTOR:** 50 dB \pm 1 dB (includes Flatness)
- COUPLING FLATNESS:** \pm 1.0 dB
- DIRECTIVITY:** 20 dB Minimum
- INSERTION LOSS:** 0.15 dB maximum
- VSWR (Main Line):** 50 ohms, 1.2:1 maximum
- CONNECTORS:** See Model Configurations
- WEIGHT:** 1.25 kg (2.75 lbs)
- SIZE (W x H x D):** 18.3 x 5.6 x 6.9 cm (7.2 x 2.2 x 2.71 in)
- EXPORT CLASSIFICATION:** EAR99

Model Configurations		
Model Number	Main Line J1/J2	Coupler Connectors J3/J4
DC3410A	7-16(M)/7-16(F)	N(F)/N(F)
DC3410	7-16(F)/7-16(F)	N(F)/N(F)

AR RF/Microwave
Instrumentation
160 School House Rd
Souderton, PA 18964
215-723-8181

For an applications engineer call:800.933.8181

www.arworld.us

To order AR Products, call 215.723.8181. For an applications engineer call:800.933.8181. Direct to Service call: 215.723.0275 or email: service@arworld.us For Faxing Orders:866.859.0582 (Orders Only Please) info@arworld.us

Approved for public release by AR RF/Microwave Instrumentation

052120

