



**Model DC3401
Dual Directional Coupler
10kHz–400MHz**

The Model DC3401 is a high power ultra-broadband dual directional coupler with excellent performance characteristics over a range of more than 15 octaves. This dual directional coupler is a convenient means of simultaneously monitoring forward and reflected power in RF power systems using normal laboratory oscilloscopes, voltmeters, power meters and spectrum analyzers. The Model DC3401 is particularly recommended for use with our "A" and "L" Series amplifiers, our PM2002 Power Meter and other amplifiers operating within the frequency and power range.

With a frequency range of 10kHz to 400MHz, the Model DC3401 is particularly well-suited for Bulk Current Injection (BCI) test applications.

SPECIFICATIONS

FREQUENCY RANGE.....	10kHz–400MHz
POWER (maximum)	500W CW
COUPLING FACTOR.....	50 dB ±0.8dB (includes flatness)
COUPLING FLATNESS.....	±0.6dB
DIRECTIVITY.....	25dB typical 20dB minimum
INSERTION LOSS (maximum)	0.5dB maximum
IMPEDANCE (main line).....	50 ohms, VSWR 1.30 maximum
CONNECTORS	
Main line	Type N female
Coupled	Type N female
WEIGHT (maximum).....	0.8 kg (1.8 lb.)
SIZE (maximum) (W x H x D)	13.2 x 6.8 x 4.32 cm (5.2 x 2.7 x 1.7 in)