



160 School House Road, Souderton, PA 18964-9990 USA
Phone 215-723-8181 • FAX 215-723-5688

MODEL DC6580
DUAL DIRECTIONAL COUPLER
1500 WATTS CW
80 - 1000 MHz

The Model DC6580 is a dual directional coupler with excellent frequency range and power handling capability. The wide range assures flexibility in coupling medium 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.

SPECIFICATIONS
Model DC6580

<i>FREQUENCY RANGE</i>	<i>80 - 1000 MHz</i>
<i>POWER (maximum)</i>	<i>1500 Watts CW</i> <i>3000 Watts Peak</i>
<i>COUPLING FACTOR</i>	<i>50 dB \pm 1 dB (includes flatness)</i>
<i>COUPLING FLATNESS</i>	<i>\pm 0.5dB</i>
<i>DIRECTIVITY</i>	
<i>Typical</i>	<i>25 dB</i>
<i>Minimum</i>	<i>20 dB</i>
<i>INSERTION LOSS</i>	<i>0.15 dB maximum</i>
<i>IMPEDANCE (Main Line)</i>	<i>50 ohms, VSWR 1.10:1 maximum</i>
<i>CONNECTORS</i>	
<i>Main Line</i>	<i>C female</i>
<i>Coupled</i>	<i>BNC female</i>
<i>WEIGHT</i>	<i>0.6 kg, 1.2 lb</i>
<i>SIZE (WxHxD)</i>	<i>7.62 x 7.62 x 2.79 cm</i> <i>3.0 x 3.0 x 1.1 in.</i>

REV061899

