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MODEL DC6080
DUAL DIRECTIONAL COUPLER
200 WATTS CW
80 - 1000 MHz

The Model DC6080 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 while the 40 dB coupling factor is well matched to typical laboratory equipment.

SPECIFICATIONS
Model DC6080

<i>FREQUENCY RANGE</i>	<i>80 - 1000 MHz</i>
<i>POWER (maximum)</i>	<i>200 Watts CW</i> <i>1000 Watts Peak</i>
<i>COUPLING FACTOR</i>	<i>40 dB ± 0.5 dB (includes flatness)</i>
<i>COUPLING FLATNESS</i>	<i>± 0.4dB</i>
<i>DIRECTIVITY</i>	
<i>Typical</i>	<i>25 dB</i>
<i>Minimum</i>	<i>20 dB</i>
<i>INSERTION LOSS</i>	<i>0.25 dB maximum</i>
<i>MISMATCH TOLERANCE</i>	<i>Open or short, 200 watts</i>
<i>IMPEDANCE (Main Line)</i>	<i>50 ohms, VSWR 1.2:1 maximum</i>
<i>CONNECTORS</i>	
<i>Main Line</i>	<i>N female</i>
<i>Coupled</i>	<i>BNC female</i>
<i>WEIGHT</i>	<i>0.45 kg, 1.0 lb</i>
<i>SIZE (WxHxD)</i>	<i>7.62 x 7.62 x 2.86 cm</i> <i>3.0 x 3.0 x 1.125 in</i>

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