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MODEL DC7276M1
DUAL DIRECTIONAL COUPLER
1400 WATTS CW
2.5 - 7.5 GHz

The Model DC7276M1 is a high power dual directional waveguide coupler. 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 DC7276M1 is intended for use with the 1000T2G8 and other "T" series microwave TWT amplifiers.

This M1 version of the model DC7276 has type "N" female connectors on the coupled ports.

SPECIFICATIONS
Model DC7276

<i>FREQUENCY RANGE</i>	2.5 - 7.5 GHz
<i>POWER (maximum)</i>	1400 watts CW 10kW peak
<i>COUPLING FACTOR</i>	50 dB $\pm$ 2.0dB (includes flatness)
<i>COUPLING FLATNESS</i>	$\pm$ 1.5dB maximum
<i>DIRECTIVITY</i>	
<i>Typical</i>	28dB
<i>Minimum</i>	25dB
<i>INSERTION LOSS</i>	0.15 dB maximum
<i>VSWR (main line)</i>	1.1:1 maximum
<i>CONNECTORS</i>	
<i>Main Line</i>	WRD-250 waveguide flange
<i>Coupled</i>	Type "N" female
<i>WEIGHT</i>	1.7 kg (3.8 lb.)
<i>SIZE (WxHxD)</i>	45.7 x 8.1 x 8.1 cm 18 x 3.2 x 3.2 in

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