



Model DC7750
Dual Directional Coupler
500 Watts CW
18GHz–40GHz

The Model DC7750 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

FREQUENCY RANGE.....	18–40GHz
POWER (maximum)	500 Watts CW 3K Watts Peak
COUPLING FACTOR	50 dB ±2.0 dB (includes flatness)
COUPLING FLATNESS.....	± 1.0dB
DIRECTIVITY.....	25 dB minimum
INSERTION LOSS	0.6 dB maximum
VSWR (Main Line).....	1.20:1 maximum
CONNECTORS	
Main Line.....	WRD-180 C24
Coupled	K female
WEIGHT.....	0.4 kg (.875 lbs)
SIZE (WxHxD).....	3.5 x 4.4 x 35.5 cm, (1.4 x 1.7 x 14 in)