



Model DC7351
Dual Directional Coupler
6,000 Watts CW
4GHz–8GHz

The Model DC7351 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. The DC7351 is intended for use with the 4000TP4G8, 7400TP4G8, and other T series microwave TWT amplifiers.

SPECIFICATIONS

FREQUENCY RANGE.....	4–8 GHz
POWER (maximum)	6 kW CW 92 kW Peak
COUPLING FACTOR.....	40 dB $\pm$ 2.0 dB (includes flatness)
COUPLING FLATNESS.....	$\pm$ 1.5 dB
DIRECTIVITY	
Typical.....	35 dB
Minimum	30 dB
INSERTION LOSS	0.15 dB maximum
VSWR (Main Line)	1.1:1 maximum
CONNECTORS	
Main Line.....	WRD-350
Coupled	N(F)
WEIGHT.....	1.24 kg (2.75 lbs)
SIZE (WxHxD)	4.1 x 6.9 x 45.8 cm (1.61 x 2.72 x 18 in)