



Model DC7128M3
Dual Directional Coupler
1500 Watts CW
0.8–2.8GHz

The Model DC7128M3 is a high power dual directional coupler with excellent frequency range and power handling capability. The wide range assures flexibility in coupling high power amplifiers to 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 Model DC7128M3 is intended for use with the 500T1G2 and 1000T1G2 and other "T" series microwave TWT amplifiers and other amplifiers operating within the frequency and power range.

SPECIFICATIONS

FREQUENCY RANGE	0.8–2.8 GHz
POWER (maximum).....	1500 watts CW
COUPLING FACTOR.....	50 dB \pm 1.0 dB (includes flatness)
COUPLING FLATNESS.....	\pm 1.0 dB
DIRECTIVITY	
Minimum	18 dB
INSERTION LOSS	0.2 dB maximum
IMPEDANCE (Main Line)	50 ohms, VSWR 1.3:1 maximum
CONNECTORS	
Main Line J1/J2.....	7-16(M)/7-16(M)
Coupled J3/J4	SMA(F)/SMA(F)
WEIGHT	0.7 kg (1.5 lb)
SIZE (W x H x D)	7.6 x 7.6 x 2.9 cm (3.0 x 3.0 x 1.125 in)