



**Model DC7128AM4, M5
Dual Directional Coupler
1500 Watts CW
0.8–2.8GHz**

The Models DC7128AM4 and DC7128AM5 are high power dual directional couplers 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 Models DC7128AM4 and DC7128AM5 are intended for use with 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 ± 1.0 dB (includes flatness)
COUPLING FLATNESS.....	± 1.0 dB
DIRECTIVITY	
Minimum	18 dB
INSERTION LOSS	0.2 dB maximum
IMPEDANCE (Main Line).....	50 ohms, VSWR 1.3:1 maximum
CONNECTORS	See Model Configurations
WEIGHT.....	1.4 kg (3 lb)
SIZE (W x H x D).....	15.2 x 8.9 x 5.7 cm (6 x 3.5 x 2.25 in)

MODEL CONFIGURATIONS

Model	Main Line, J1/J2	Coupled, J3/J4
DC7128AM4	7/8 EIA (M)/7/8 EIA (F)	N(F)/N(F)
DC7128AM5	7/8 EIA (M)/7/8 EIA (M)	N(F)/N(F)