

MODEL NUMBER:

**DC250M-3500**

**DUAL DIRECTIONAL COUPLER**



## DESCRIPTION

**DC250M-3500** employs two, 3-Port Uni-Directional Couplers, internally connected, in tandem, providing measurement of both forward and reverse power. Ideal for simultaneously monitoring a system's forward and reverse power and for reflectometer measurements. Unlike the Bi-Directional Coupler, the directivity of the Dual Directional Coupler is unaffected by the loads on the coupled ports.

## FEATURES

- HIGH POWER
- WIDE BANDWIDTHS
- SMALL SIZE
- FLAT COUPLING

## ELECTRICAL SPECIFICATIONS

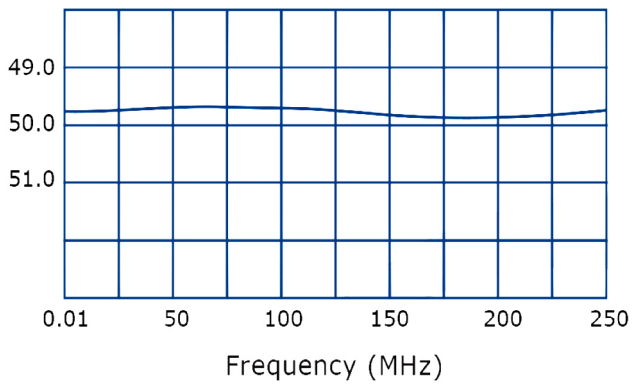
Frequency	0.01 - 250 MHz
Power	3500 W CW
Coupling	50 ± 1.0 dB Max.
Insertion Loss	0.2 dB Max.
Flatness	± 1.0 dB Max.
VSWR (ML)	1.15:1 Max.
Directivity	20 dB Min.

## MECHANICAL SPECIFICATIONS

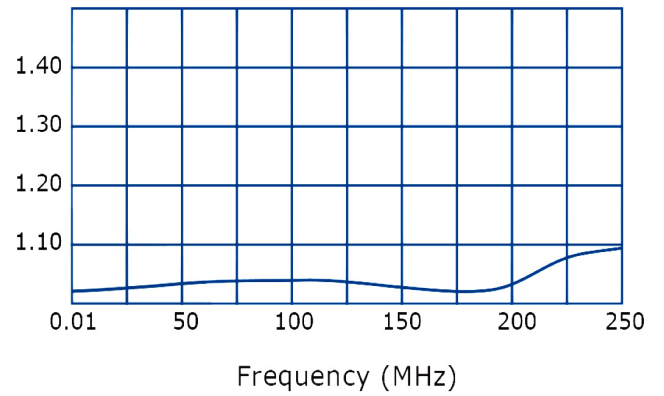
Type	Connectorized
Material	Aluminum 6061-T6
Surface Finish	Chem. Film Per MIL-DTL-5541F Type I Class 3 (Yellow Iridite) RoHS Compliant Available
Operating Temperature	-55°C to +75°C
Storage Temperature	60°C to +85°C
Humidity	95% Non-Condensing
Size	10.0 x 3.0 x 2.0"

**PERFORMANCE DATA (SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE):**

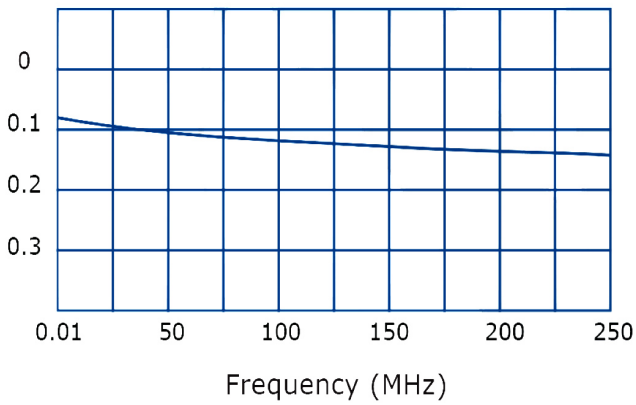
**Coupling:**



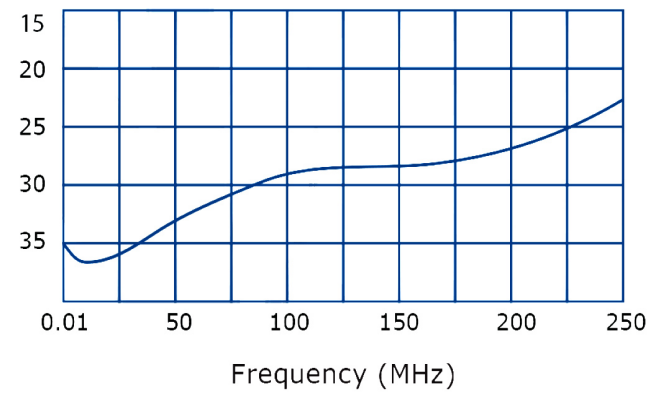
**VSWR:**



**Insertion Loss:**



**Directivity:**



S11 MEASURED ACC . CISPR 16-1-4 SECTION 9.5

