

MODEL NUMBER:
DC400M-500

DUAL DIRECTIONAL COUPLER



DESCRIPTION

4-Port Dual Directional Coupler 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
- Custom Designs Available

ELECTRICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Frequency	0.01 - 400 MHz
Power	500 W CW
Coupling	40 ± 1.0 dB Max.
Insertion Loss	0.5 dB Max.
Flatness	± 0.5 dB Max.
VSWR (ML)	1.30:1 Max.
Directivity	20 dB Min.

MECHANICAL SPECIFICATIONS

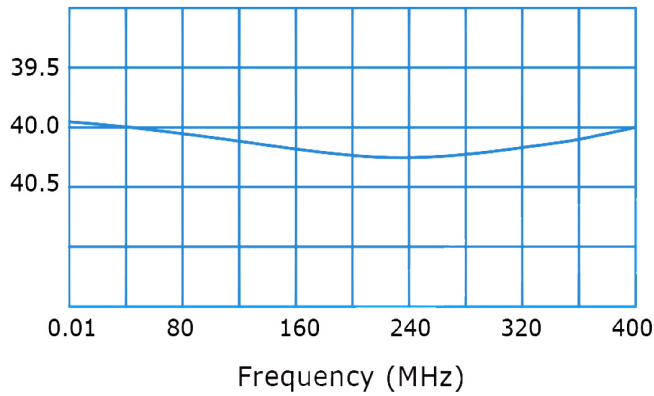
PARAMETER	SPECIFICATION
Type	Connectorized
Material	Aluminum 6061-T6
Surface Finish	Chem. Film Per MIL-DTL-5541F Type I Class 3 (Yellow Iridite) RoHS Compliant Available
Operating Temperature	-55°C to +75°C
Storage Temperature	-60°C to +85°C
Humidity	95% Non-Condensing
Size	5.2 x 2.28 x 1.69"

CONNECTOR CONFIGURATIONS

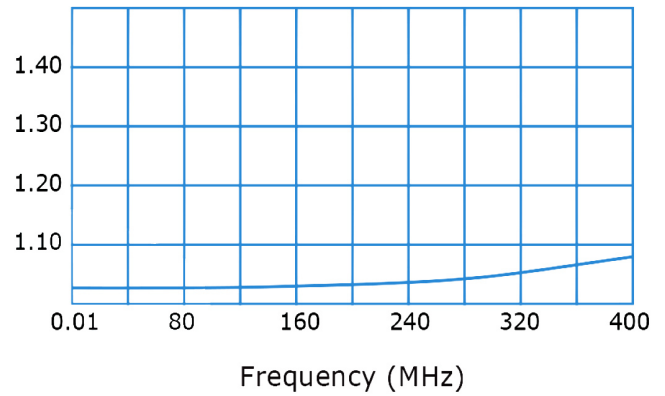
MODEL	INPUT (J1)	OUTPUT (J2)	FWD (J3)	REV (J4)
DC400M-500	N Female	N Female	N Female	N Female

PERFORMANCE DATA (SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE)

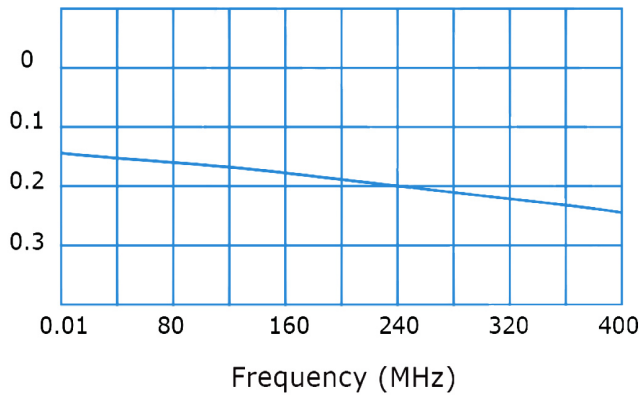
Coupling:



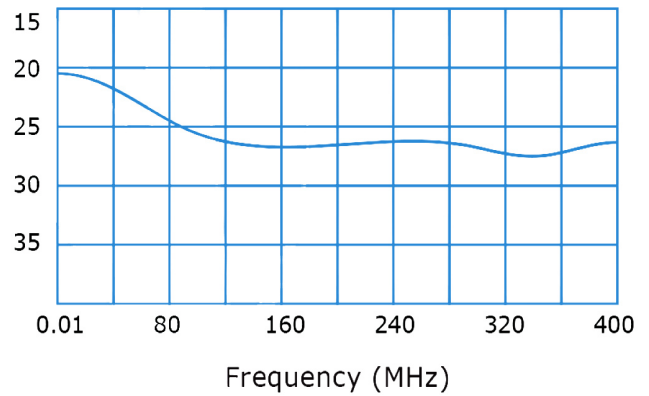
VSWR:



Insertion Loss:



Directivity:



CONNECTOR CONFIGURATIONS

