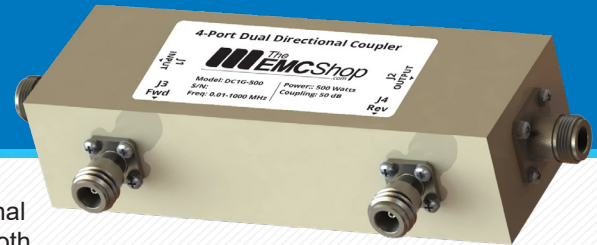


MODEL NUMBER:

**DC1G-500**

**4-PORT DUAL DIRECTIONAL COUPLER**



**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

## ELECTRICAL SPECIFICATIONS:

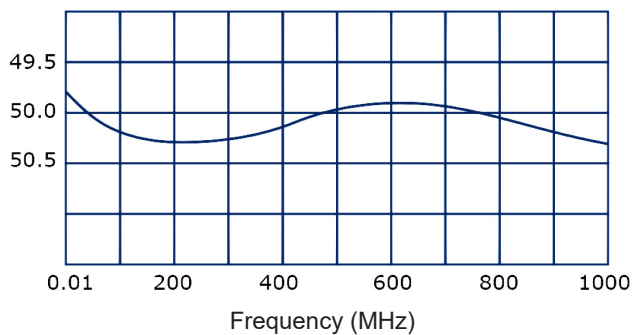
Frequency:	0.01 - 1000 MHz
Power:	500 W CW
Coupling:	50 ± 1.0 dB Max.
Insertion Loss:	0.45 dB Max.
Flatness:	± 0.5 dB Max.
VSWR (ML):	1.30:1 Max.
Directivity:	20 dB Min.

## MECHANICAL SPECIFICATIONS:

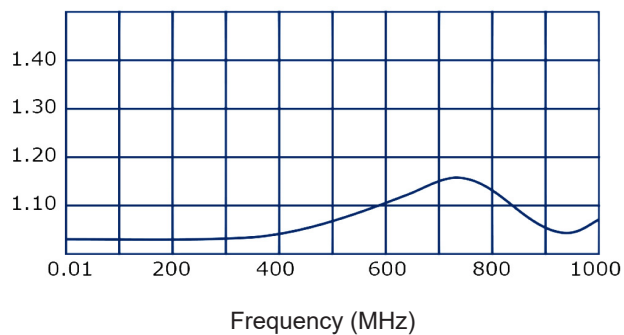
Type:	Connectorized
Material:	Aluminum 6061-T6
Surface Finish:	Chem. Film Per MIL-DTL-5541F Type I Class 3 (Yellow Iridite) RoHS Compliant Available
Operating Temperature:	-55°C to +75°C
Storage Temperature:	-60°C to +85°C
Humidity:	95% Non-Condensing
Size:	6.7 X 2.27 X 1.69"

**PERFORMANCE DATA (Specifications subject to change without notice):**

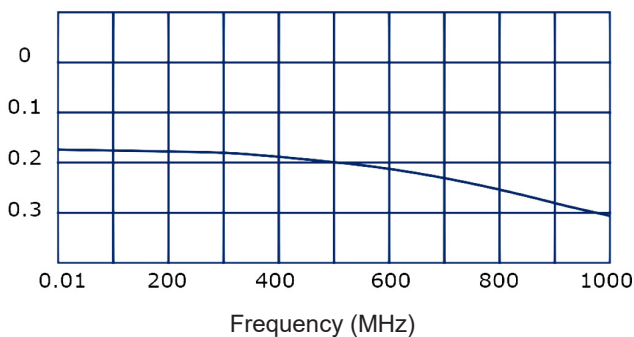
**Coupling:**



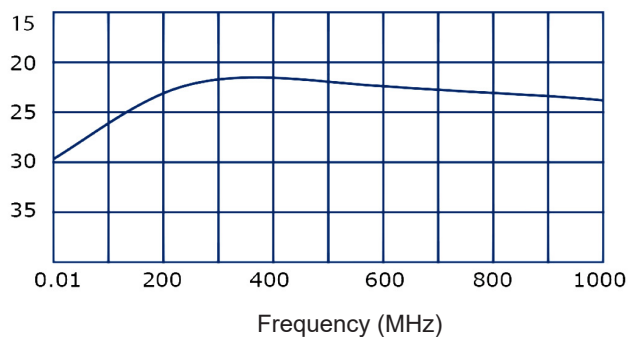
**VSWR:**



**Insertion Loss:**



**Directivity:**



**OUTLINE DRAWING**

