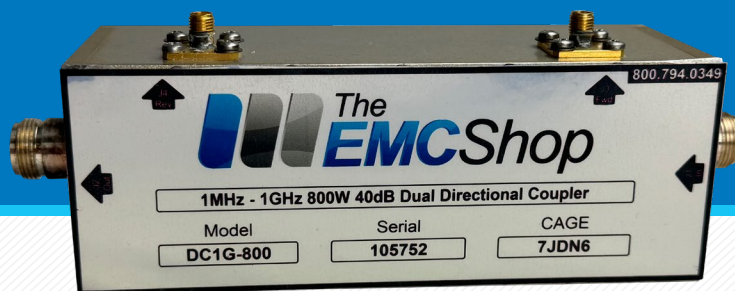


MODEL NUMBER:
DC1G-800

**4 PORT 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

ELECTRICAL SPECIFICATIONS

Frequency	1-1000 MHz
Power	800 W CW
Coupling	40 ± 1.0 dB Max.
Insertion Loss	0.5 dB Max.
Flatness	± 1. dB Max.
VSWR (ML)	1.20:1 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	6.0 x 2.2 x 2.2"

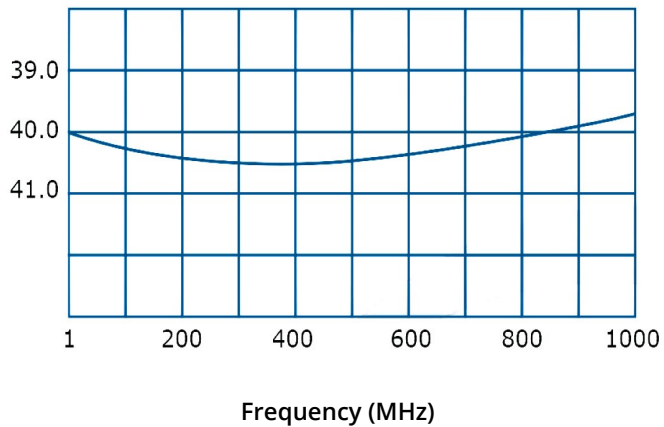


The EMC Shop, LLC Broadband Dual, Uni, and Bi Directional RF Couplers are designed to tolerate the most stringent operating conditions associated with military and EMC testing environments. Our multi-octave Directional Couplers maintain exceptional coupling flatness, directivity, VSWR, and insertion loss.

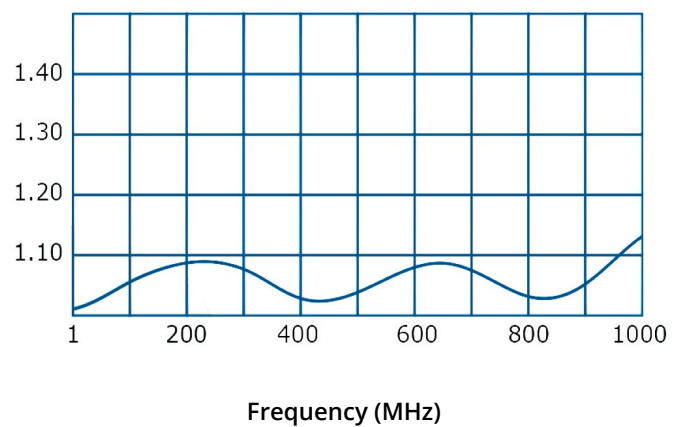
PERFORMANCE DATA

(SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE)

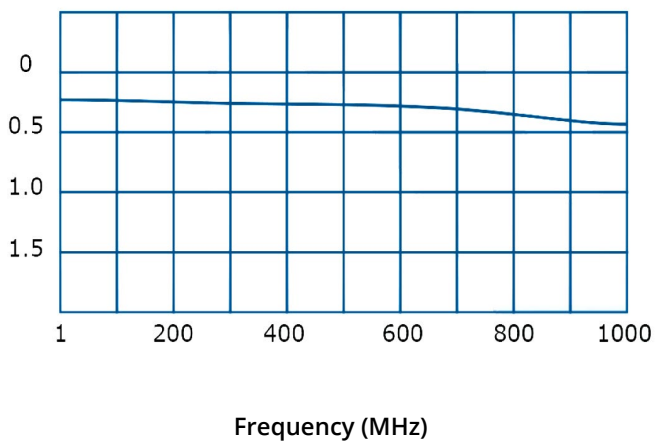
COUPLING



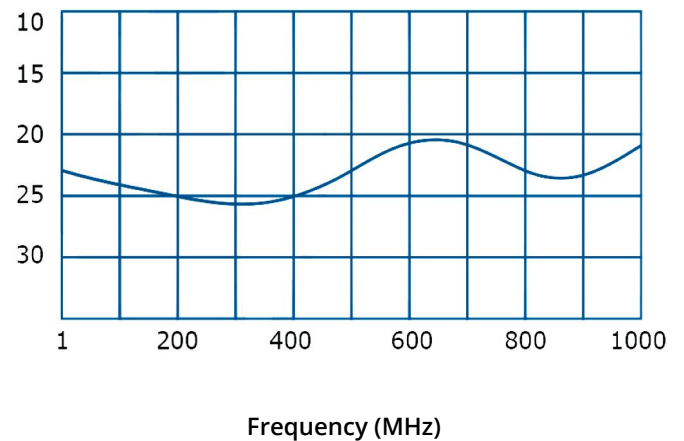
VSWR



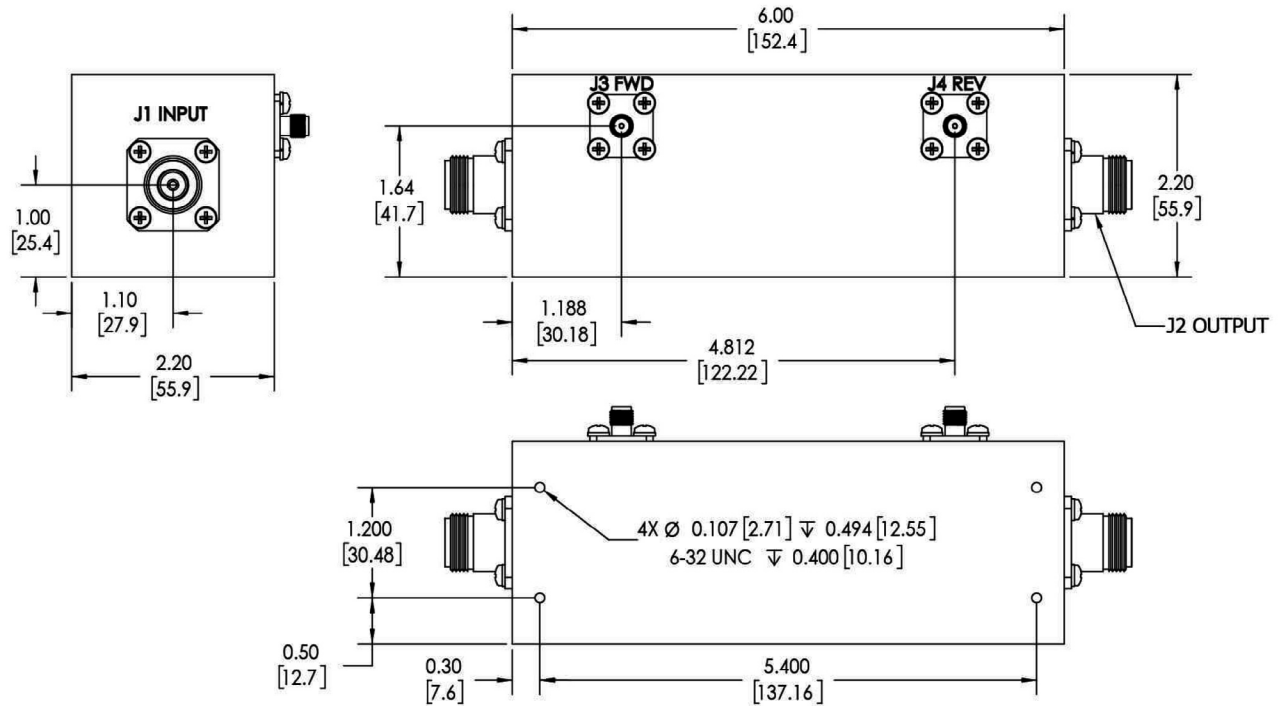
INSERTION LOSS



DIRECTIVITY



OUTLINE DRAWING



NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL: ALUMINUM 6061-T6
2. FINISH: CHEM FILM PER MIL-DTL-5541F TYPE I CLASS 3 (YELLOW IRIDITE)
3. CONNECTORS:
J1-J2: N FEMALE
J3-J4: SMA FEMALE



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