
PRODUCT DATA SHEET
C6079

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.

Electrical Specifications:

Frequency: 100 - 500 MHz
 Power: 1000 W CW
 Coupling: 40 ± 1.0 dB Max.
 Insertion Loss: 0.2 dB Max.
 Flatness: ± 0.3 dB Max.
 VSWR (ML): 1.10:1 Max.
 Directivity: 20 dB Min.

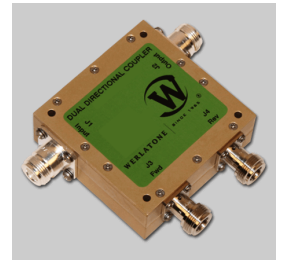
Mechanical Specifications:

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: 3.0 x 3.0 x 1.09"

Connector Configurations:

| Model | Input (J1) | Output (J2) | Fwd (J3) | Rev (J4) |
|------------|-------------|-------------|-------------|-------------|
| C6079-10 | N Female | N Female | N Female | N Female |
| C6079-12 | N Female | N Female | SMA | SMA |
| C6079-13 | N Female | N Female | BNC | BNC |
| C6079-20* | 7/16 Female | 7/16 Female | 7/16 Female | 7/16 Female |
| C6079-22* | 7/16 Female | 7/16 Female | SMA | SMA |
| C6079-23* | 7/16 Female | 7/16 Female | BNC | BNC |
| C6079-41 | SC Female | SC Female | N Female | N Female |
| C6079-622* | 7/16 Female | 7/16 Male | SMA | SMA |
| C6079-627* | 7/16 Female | 7/16 Male | BNC | BNC |
| C6079-741 | SC Male | SC Female | N Female | N Female |

(7/16-F Main Line connector option increases size to 3.0 x 3.0 x 1.59")

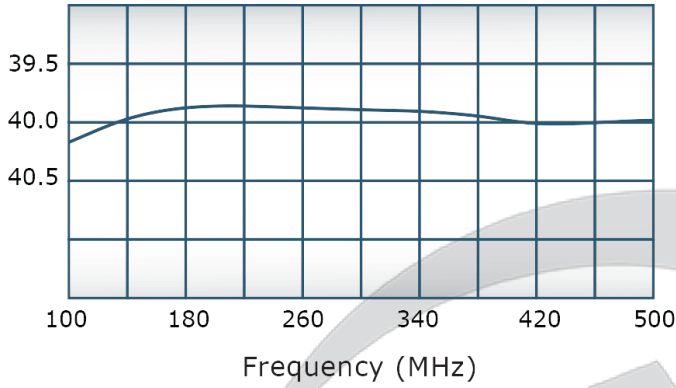


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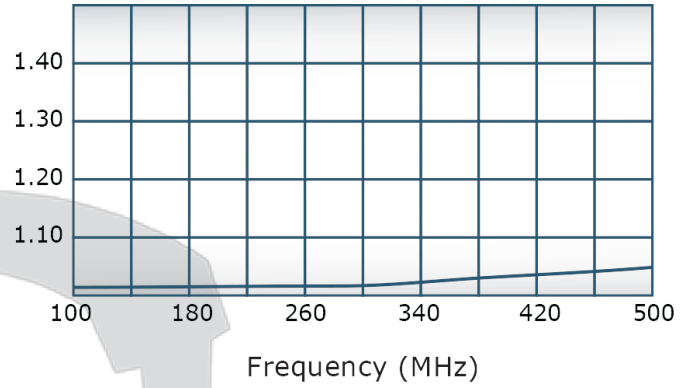
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Performance Data (Specifications subject to change without notice):

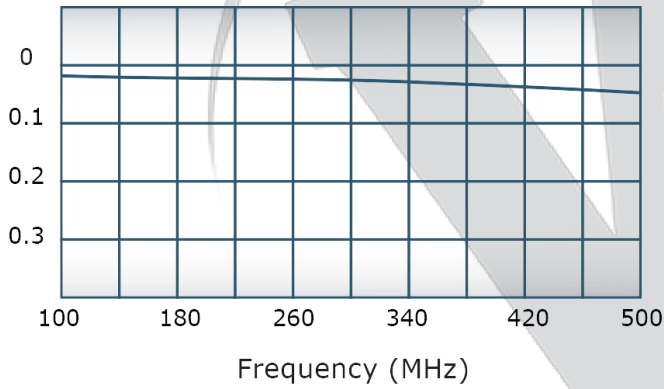
Coupling:



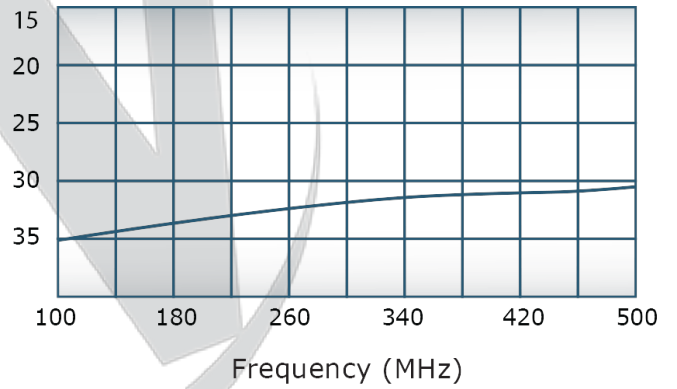
VSWR:



Insertion Loss:



Directivity:

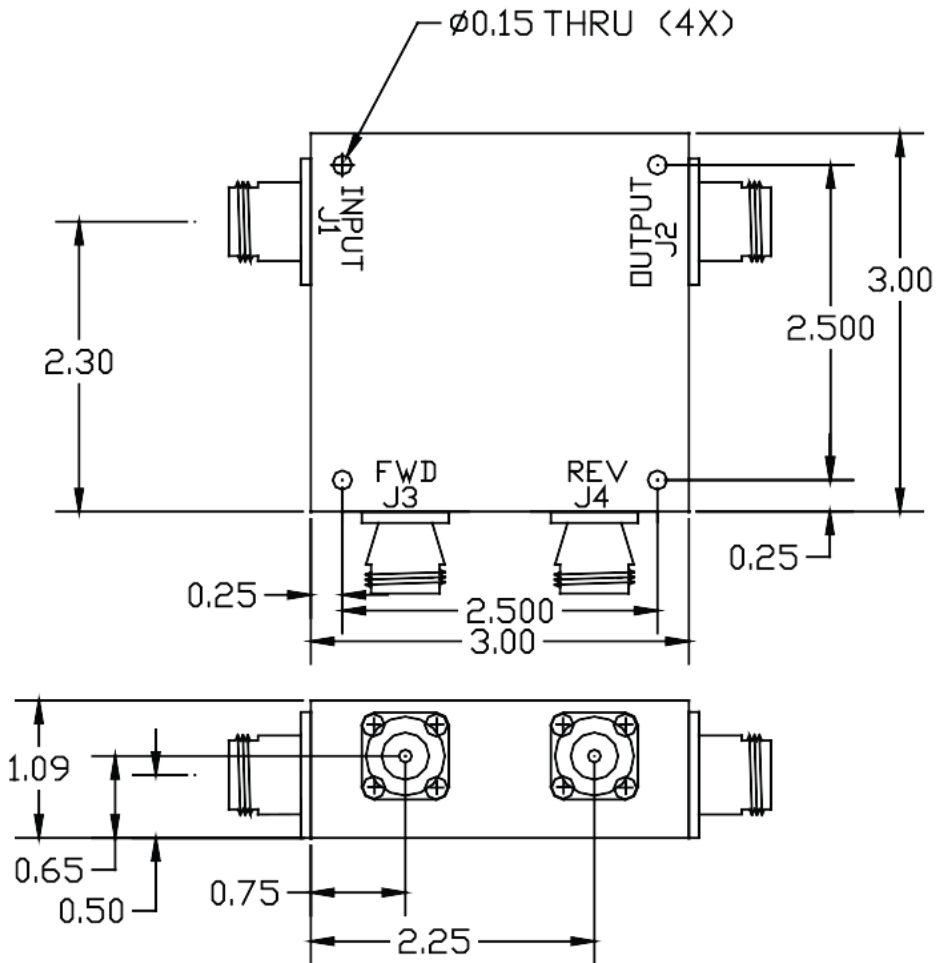


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| DATE | SYM | REVISION | RECORD | AUTH | DR | CK |
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