
**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:  $40 \pm 1.0$  dB Max.  
 Insertion Loss: 0.2 dB Max.  
 Flatness:  $\pm 0.3$  dB Max.  
 VSWR (ML): 1.10:1 Max.  
 Directivity: 20 dB Min.

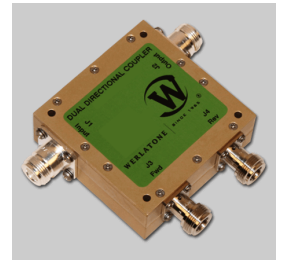
**Mechanical Specifications:**

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:**

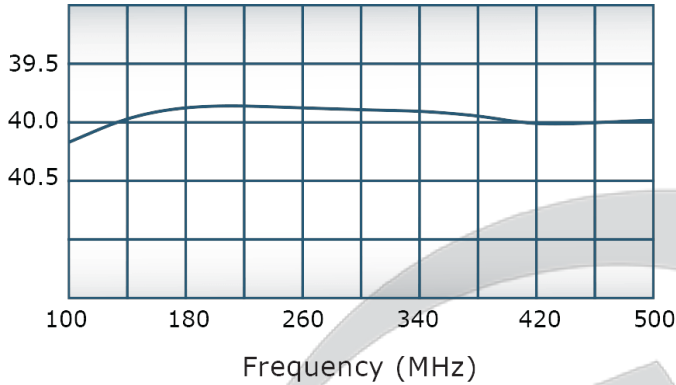
Model	Input (J1)	Output (J2)	Fwd (J3)	Rev (J4)
C6079-10	N Female	N Female	N Female	N Female
C6079-12	N Female	N Female	SMA	SMA
C6079-13	N Female	N Female	BNC	BNC
C6079-20*	7/16 Female	7/16 Female	7/16 Female	7/16 Female
C6079-22*	7/16 Female	7/16 Female	SMA	SMA
C6079-23*	7/16 Female	7/16 Female	BNC	BNC
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")

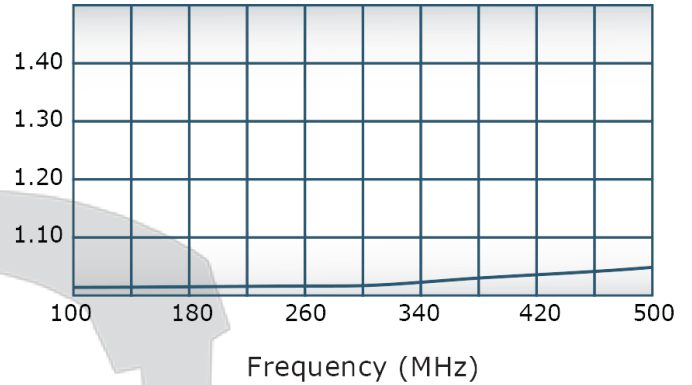


## Performance Data (Specifications subject to change without notice):

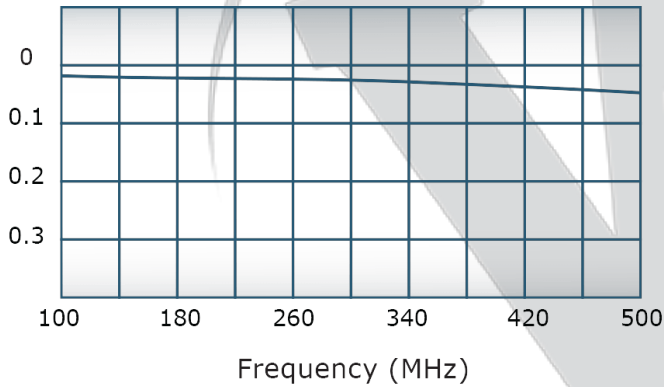
Coupling:



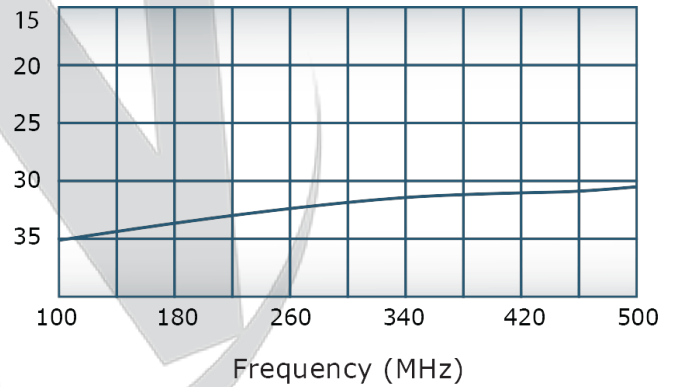
VSWR:



Insertion Loss:



Directivity:

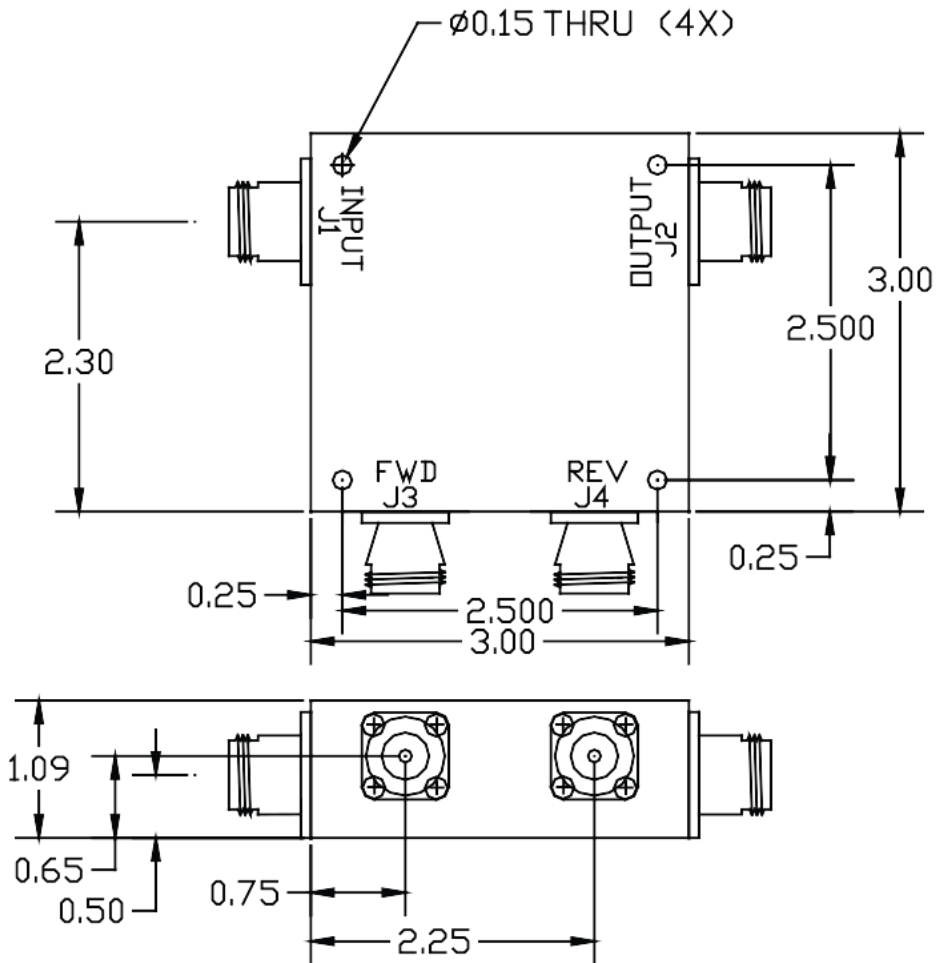


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