



## PRODUCT DATA SHEET

C4080

**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:

Frequency: 0.01 - 250 MHz  
Power: 3500 W CW  
Coupling: 50 ± 1.0 dB Max.  
Insertion Loss: 0.2 dB Max.  
Flatness: ± 1.0 dB Max.  
VSWR (ML): 1.15:1 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: 10.0 x 3.0 x 2.0"

### Connector Configurations:

Model	Input (J1)	Output (J2)	Fwd (J3)	Rev (J4)
C4080-20	7/16 Female	7/16 Female	N Female	N Female
C4080-22	7/16 Female	7/16 Female	SMA	SMA
C4080-23	7/16 Female	7/16 Female	BNC	BNC
C4080-41	SC Female	SC Female	N Female	N Female
C4080-51	C Female	C Female	N Female	N Female
C4080-53	C Female	C Female	SMA	SMA
C4080-54	C Female	C Female	BNC	BNC
C4080-60	HN Female	HN Female	N Female	N Female
C4080-627	7/16 Female	7/16 Male	N Female	N Female
C4080-726	7/16 Male	7/16 Female	N Female	N Female

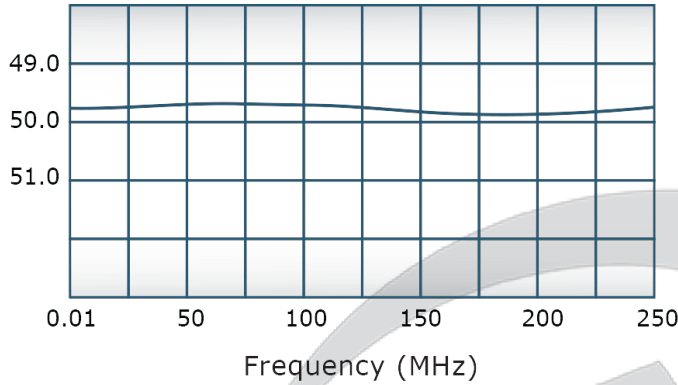
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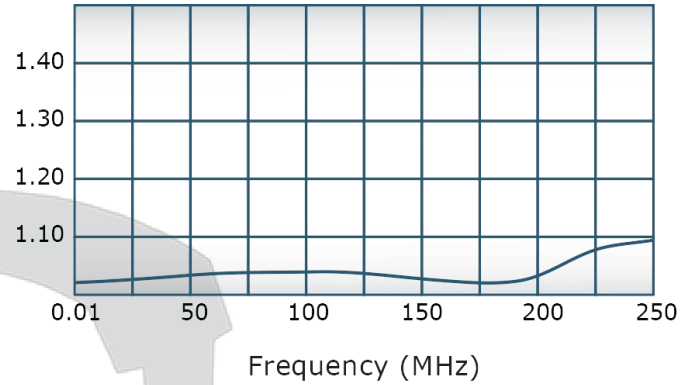


## Performance Data (Specifications subject to change without notice):

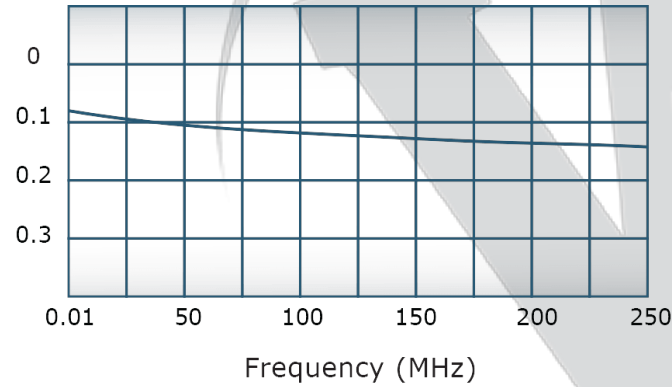
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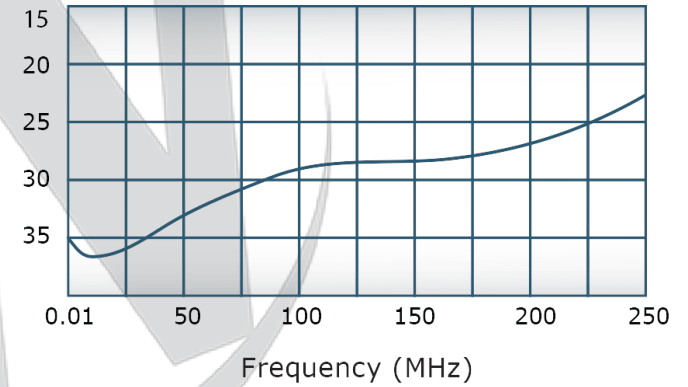
VSWR:



Insertion Loss:



Directivity:

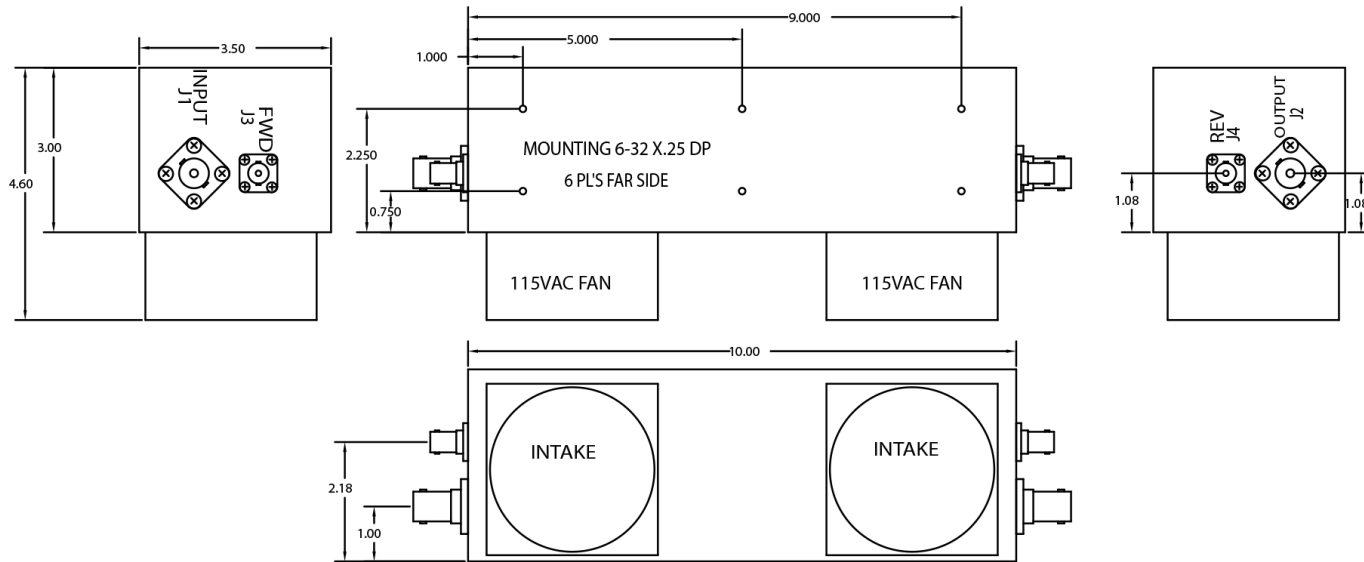


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