Model C4080
Connectorized Directional Couplers

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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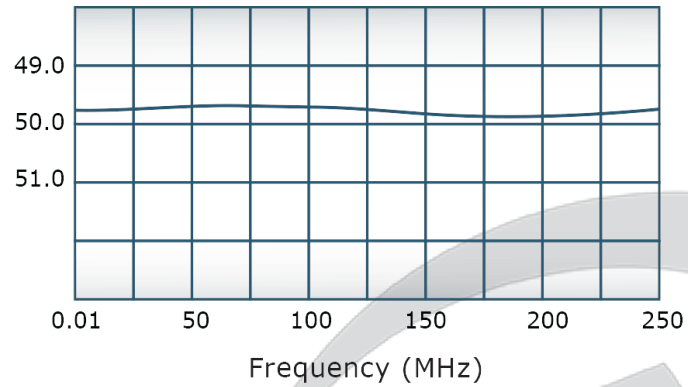
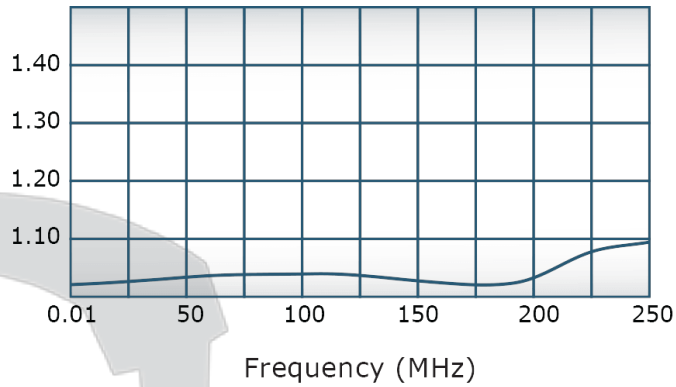
Performance Data (Specifications subject to change without notice):

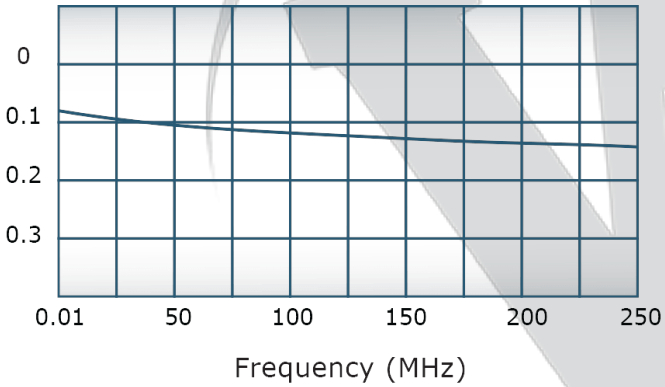
Coupling:



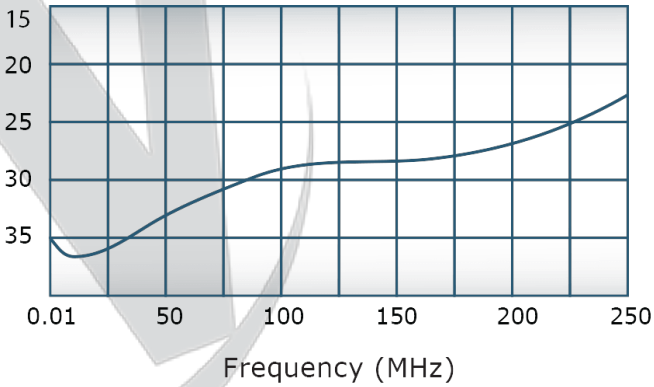
VSWR:



Insertion Loss:



Directivity:



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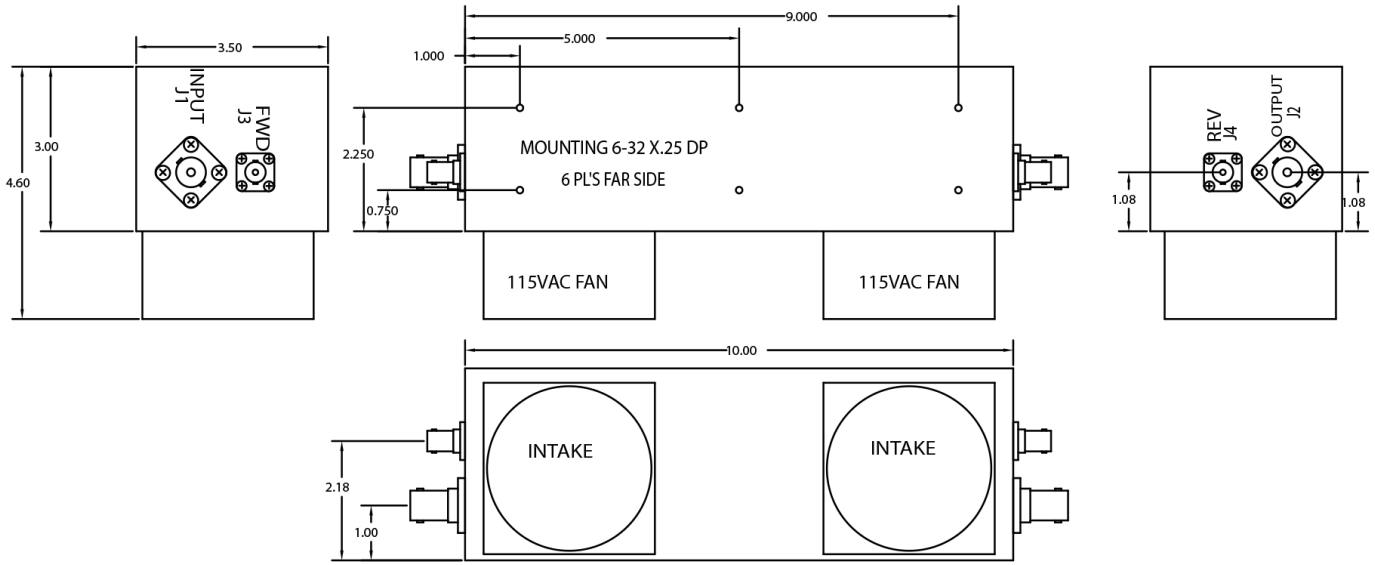
DATE	SYM	REVISION RECORD	AUTH	DR	CK



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XX +/- .015 XXX +/- .005	USED ON: C3327/C4080	SCALE	DRAWN BY: MJ APPVD BY:
	TITLE OUTLINE		
	DATE 8/20/03	DRAWING NUMBER 10330-500	

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