

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



WERLATONE

Model C4080

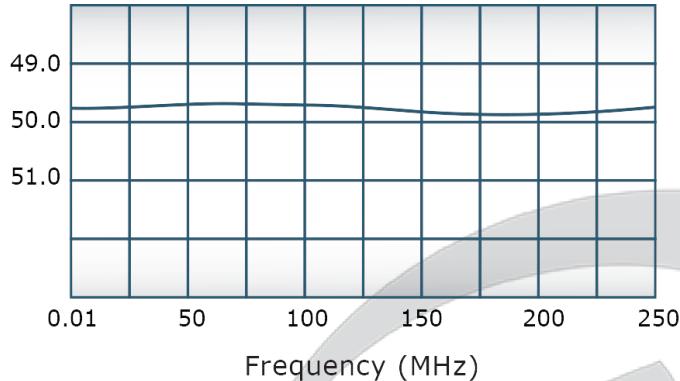
Connectorized Directional Couplers

PRODUCT DATA SHEET

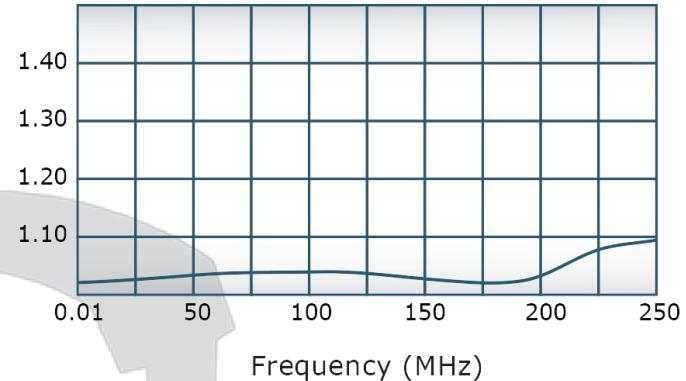
C4080

Performance Data (Specifications subject to change without notice):

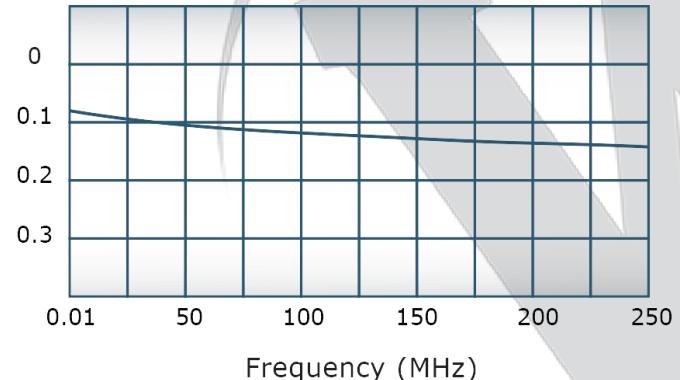
Coupling:



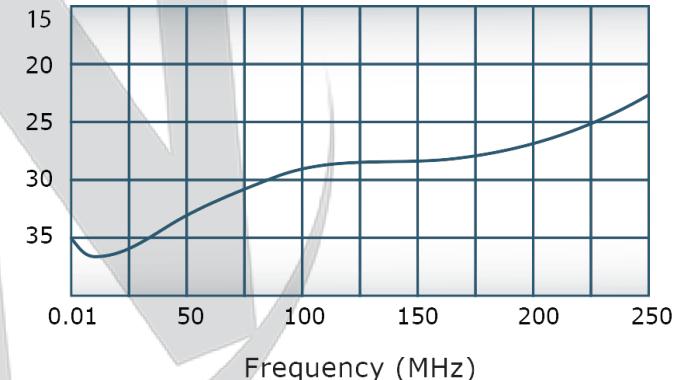
VSWR:



Insertion Loss:



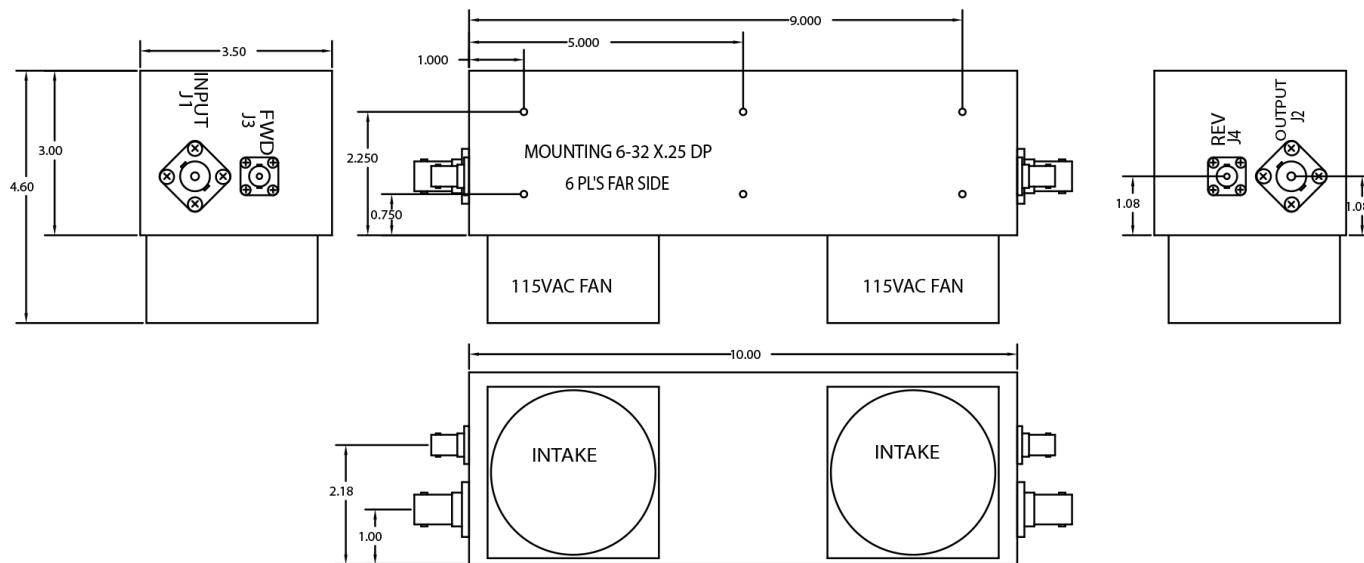
Directivity:



Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of Werlatone, Inc.

Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

DATE	SYM.	REVISION RECORD	AUTH	DR	CK



THIS DRAWING CONTAINS INFORMATION
PROPRIETARY TO WERLATONE INC. AND
MAY NOT BE USED OR COPIED WITHOUT
THE WRITTEN CONSENT OF WERLATONE INC.

TOLERANCE		WERLATONE INC.	
XX+/- .015	USED ON:	SCALE	DRAWN BY: MJ
XXX+/- .005	C3327/C4080		APPROV'D BY:
X X	TITLE OUTLINE		
	DATE	DRAWING NUMBER	10330-500
	8/20/03		

Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of Werlatone, Inc.
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com