

PRODUCT DATA SHEET

C1460

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: 2000 W CW
Coupling: 50 ± 1.0 dB Max.
Insertion Loss: 0.15 dB Max.
Flatness: ± 1.00 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 3.0"

Connector Configurations:

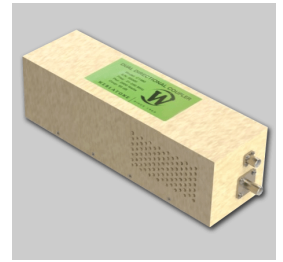
Model	Input (J1)	Output (J2)	Fwd (J3)	Rev (J4)
C1460-10	N Female	N Female	N Female	N Female
C1460-12	N Female	N Female	SMA	SMA
C1460-13	N Female	N Female	BNC	BNC
C1460-20	7/16 Female	7/16 Female	N Female	N Female
C1460-22	7/16 Female	7/16 Female	SMA	SMA
C1460-23	7/16 Female	7/16 Female	BNC	BNC
C1460-54	C Female	C Female	BNC	BNC
C1460-714	N Male	N Female	N Female	N Female
C1460-727	7/16 Male	7/16 Female	N Female	N Female



WERLATONE

Model C1460

Connectorized Directional Couplers

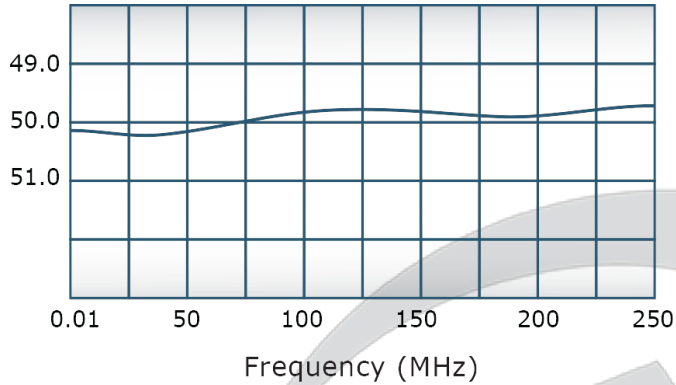


PRODUCT DATA SHEET

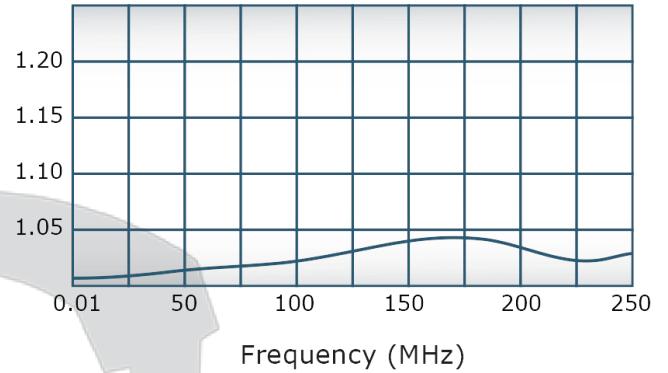
C1460

Performance Data (Specifications subject to change without notice):

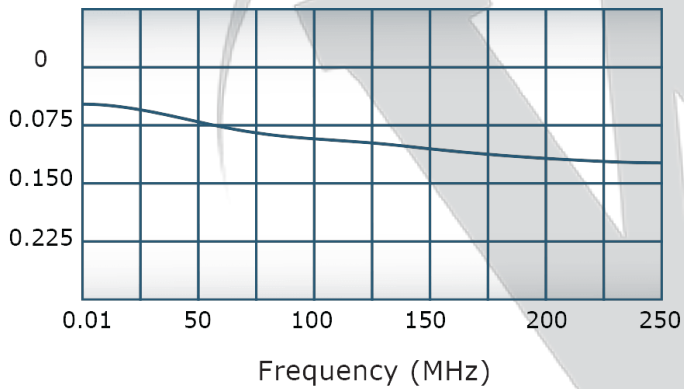
Coupling:



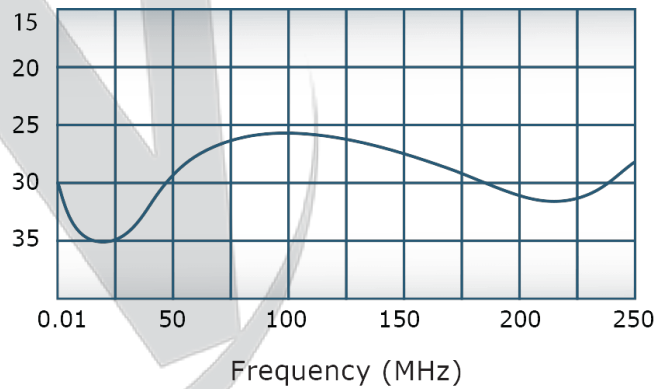
VSWR:



Insertion Loss:



Directivity:

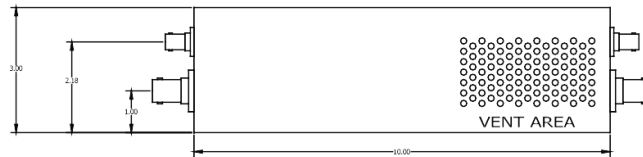
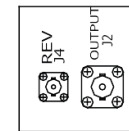
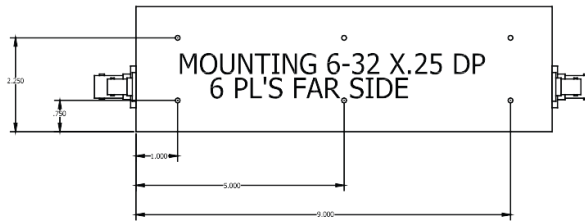
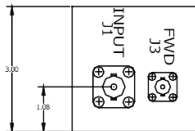


Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of Werlatone, Inc.

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

RESTRICTION ON USE, DUPLICATION OR
DISCLOSURE OF PROPRIETARY INFORMATION
This document contains proprietary information
which is the sole property of Werlatone, Inc.

REVISION HISTORY					
DATE	REV	REVISION RECORD	AUTH	CHK	APPV
4/4/11	-	INITIAL RELEASE	AK	BW	BW



UNLESS OTHERWISE SPECIFIED		DWN	DATE	 WERLATONE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563		
* INTERPRET DRAWING (AW ML-STD-100)		AK	4/4/2011				
* DIMENSIONING PER ASME Y14.5M-2009		CHK	DATE				
* PARENTHETICAL INFO FOR REF ONLY		BW	4/4/2011				
* DIMENSIONS ARE IN INCHES		ENGR	DATE				
* DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		BW	4/4/2011				
* TOLERANCES: ANGLES = 2° XXX = .005 XX = .01		PPGR	DATE	USED ON			
* HOLE TOLERANCES = .004/- .001		QA	DATE	SIZE	CAGE CODE	DWG NO	
* REMOVE ALL BURRS AND SHARP EDGES .01 R MAX			RLSE	DATE	A	28812	10010 - 506
* CONCENTRICITY MACHINED DIA. .002 FIM			SCALE	1:4	REV		
* MACHINE TOOL MISMATCH .003 MAX						-	
THIRD ANGLE PROJECTION					SHEET 1 OF 1		

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