



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



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Model C1460

Connectorized Directional Couplers

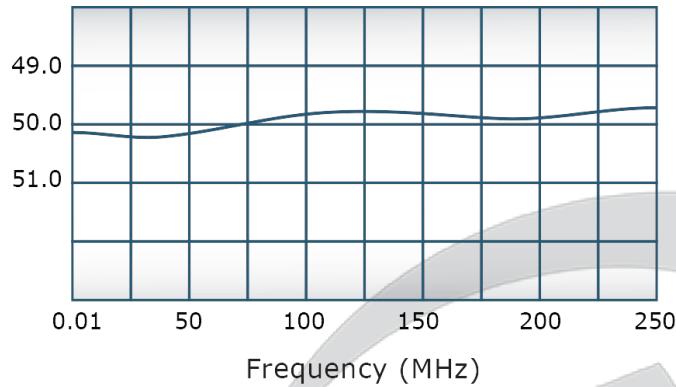


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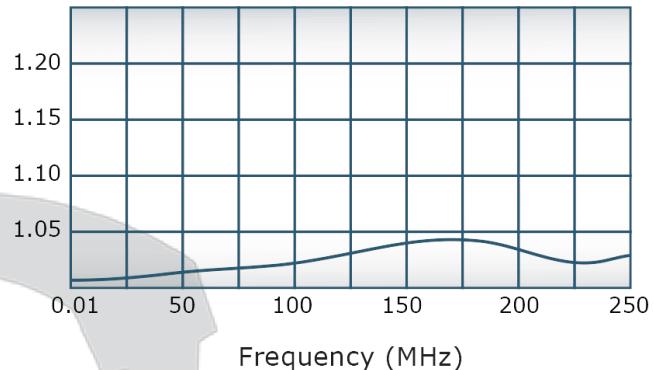
C1460

Performance Data (Specifications subject to change without notice):

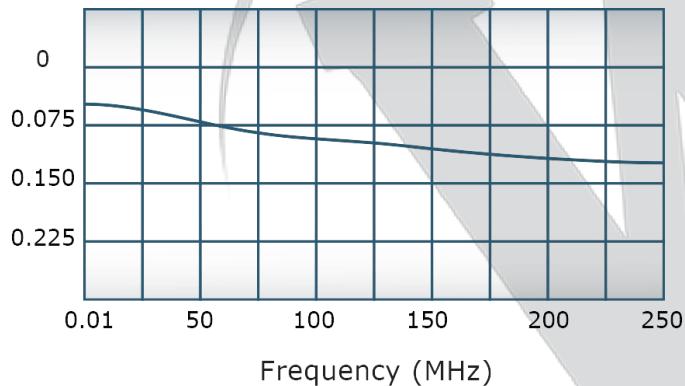
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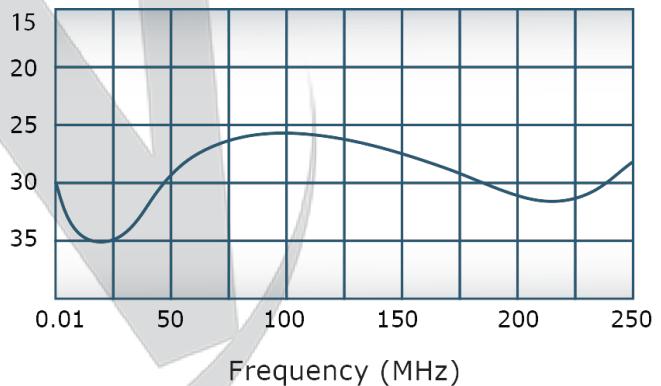
VSWR:



Insertion Loss:



Directivity:

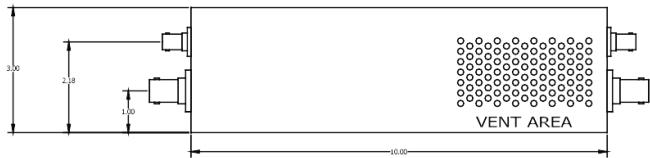
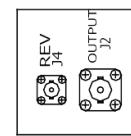
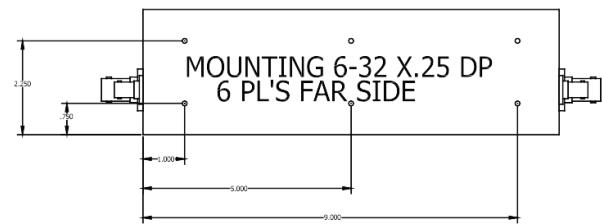
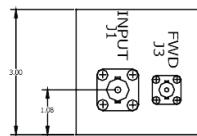


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REVISION HISTORY					
DATE	REV	REVISION RECORD	AUTH	CHK	APPV
4/4/11	-	INITIAL RELEASE	AK	BW	BW



UNLESS OTHERWISE SPECIFIED		DWN	DATE	4/4/2011	 WERLATONE SINCE 1965	17 Jon Barrett Rd		
INTERP/ DRAWING AWF MIL-STD-100 DIMENSIONING PER ASME Y14.5M-2009 PARENTHEtical INFO FOR REF ONLY DIMENSIONS ARE IN INCHES DIMENSIONAL UNITS APPLY BEFORE PROCESSES		AK	DATE	4/4/2011		Patterson, NY 12563		
TOLERANCES: ANGLES: $\pm 2^\circ$ XXX $\pm .005$ XX $\pm .01$		CHK	DATE	4/4/2011	TITLE			
HOLE TOLERANCES: $\pm .004$ -.001 REMOVE ALL BURRS AND SHARP EDGES. .01 R MAX CONCENTRICITY MACHINED: .002 FIM MACHINE TOOL MISMATCH: .003 MAX		ENGR	DATE	4/4/2011	OUTLINE			
THIRD ANGLE PROJECTION  		MFR	DATE		USED ON			
		QA	DATE	A	SIZE	CAGE CODE	DWG NO	REV
		RLSE	DATE	28812	10010 - 506			-
				SCALE	1:4	SHEET 1 OF 1		

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