
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

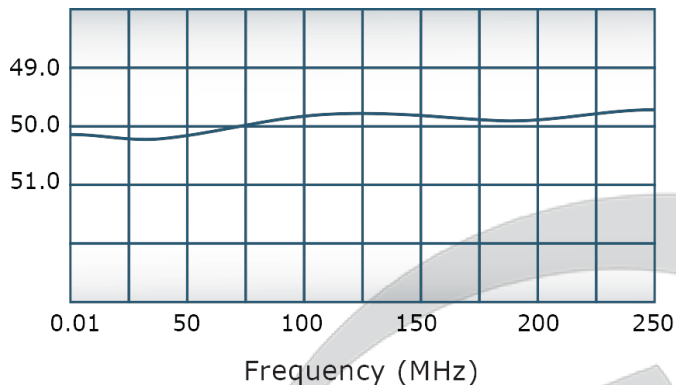


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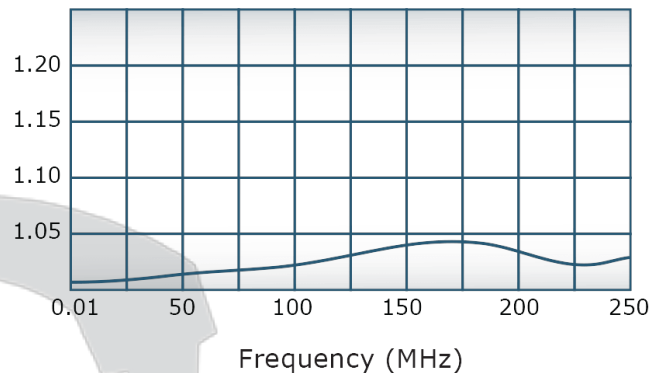
C1460

Performance Data (Specifications subject to change without notice):

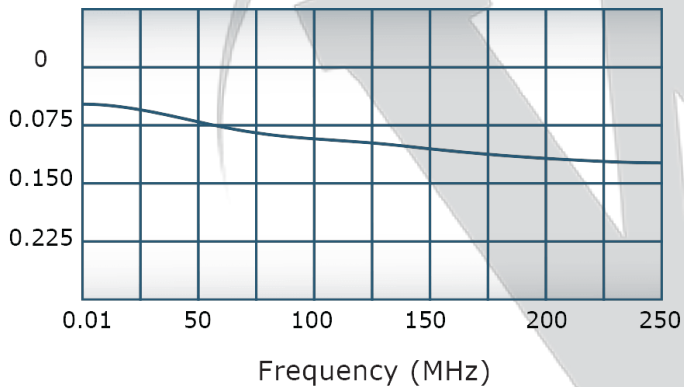
Coupling:



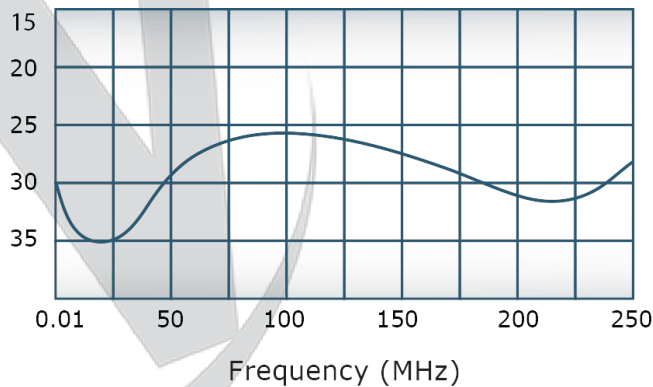
VSWR:



Insertion Loss:

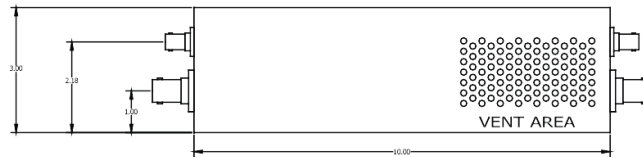
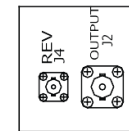
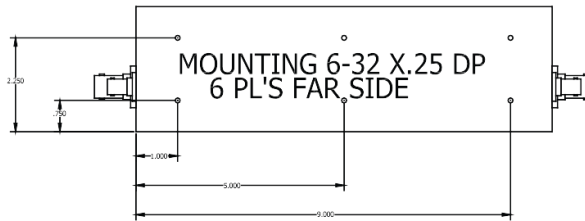
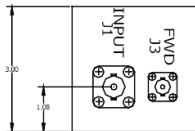




Directivity:



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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	 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				
* DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		BW	4/4/2011				
* DIMENSIONS ARE IN INCHES		ENGR	DATE				
* TOLERANCES: ANGLES = 2°		BW	4/4/2011	OUTLINE		USED ON	
XXX = .005		PRGR	DATE				
XX = .01		QA	DATE				
* HOLE TOLERANCES = .004/- .003		RLSE	DATE				
* REMOVE ALL BURRS AND SHARP EDGES .01 R MAX							
* CONCENTRICITY MACHINED DIA. .002 FIM				SIZE	CAGE CODE	DWG NO	REV
* MACHINE TOOL MACHINED .003 MAX				A	28812	10010 - 506	-
THIRD ANGLE PROJECTION 				SCALE	1:4	SHEET 1 OF 1	

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