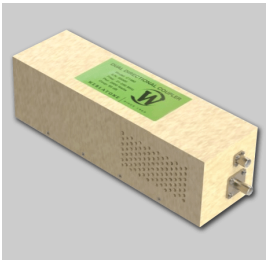
WERLATONE

Model C1460
Connectorized Directional Couplers



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.

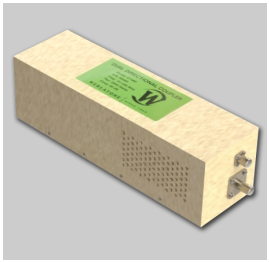
Mechanical Specifications:

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:

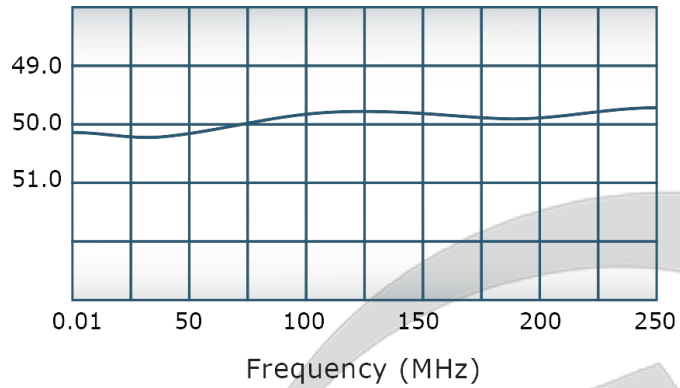
Model	Input (J1)	Output (J2)	Fwd (J3)	Rev (J4)
C1460-10	N Female	N Female	N Female	N Female
C1460-12	N Female	N Female	SMA	SMA
C1460-13	N Female	N Female	BNC	BNC
C1460-20	7/16 Female	7/16 Female	N Female	N Female
C1460-22	7/16 Female	7/16 Female	SMA	SMA
C1460-23	7/16 Female	7/16 Female	BNC	BNC
C1460-54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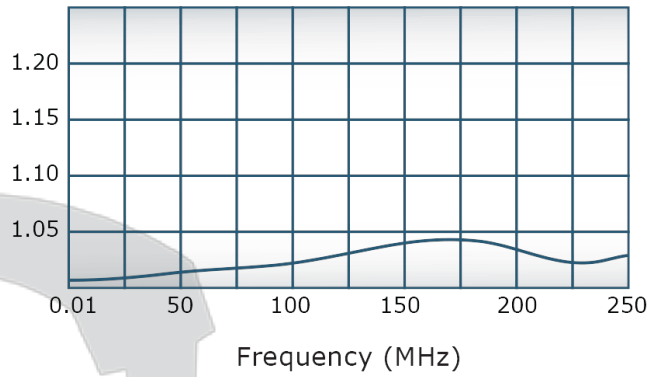


Performance Data (Specifications subject to change without notice):

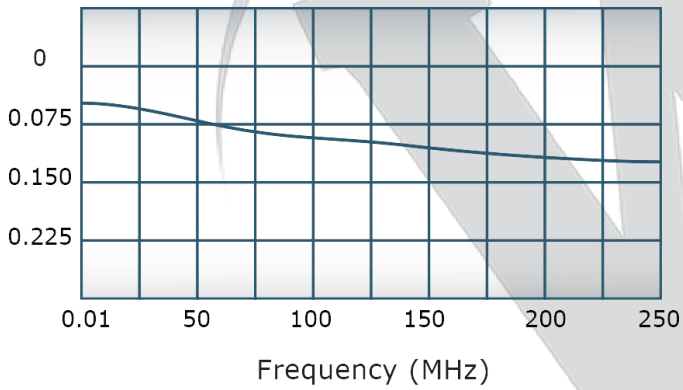
Coupling:



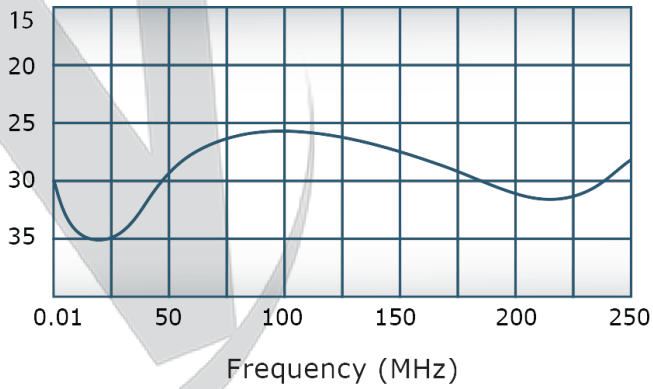
VSWR:



Insertion Loss:



Directivity:



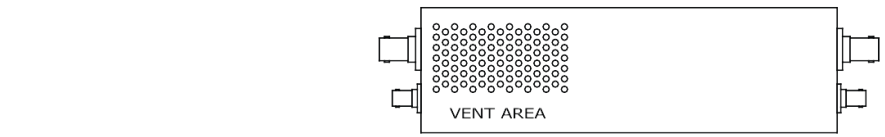
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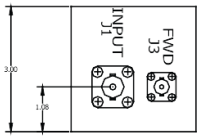
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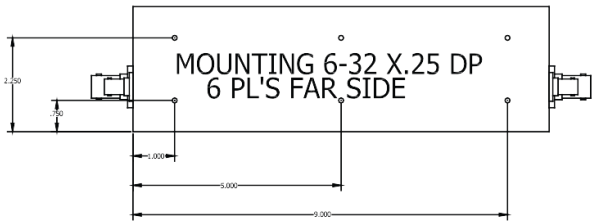
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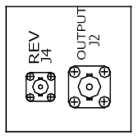
REVISION HISTORY

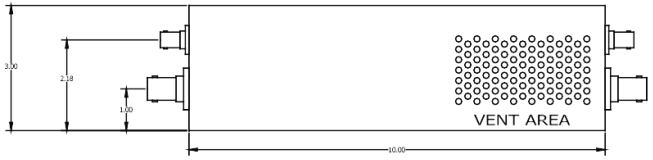
DATE	REV	REVISION RECORD	AUTH	CHK	APPV
4/4/11	-	INITIAL RELEASE	AK	BW	BW











UNLESS OTHERWISE SPECIFIED
° INTERPRET DRAWING IAW MIL-STD-100
° DIMENSIONING PER ASME Y14.5M-2009
° PARENTHETICAL INFO FOR REF ONLY
° DIMENSIONS ARE IN INCHES
° DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
° TOLERANCES: ANGLES ± 2°
.XXX ± .005
.XX ± .01
° HOLE TOLERANCES +.004/-.001
° REMOVE ALL BURRS AND SHARP EDGES .01 R MAX
° CONCENTRICITY MACHINED DIA: .002 FIM
° MACHINE TOOL MISMATCH .003 MAX
THIRD ANGLE PROJECTION

		DATE
DWN	AK	4/4/2011
CHK	BW	4/4/2011
ENGR	BW	4/4/2011
MFGR		
QA		
RLSE		

WERLATONE | SINCE 1965
17 Jon Barrett Rd
Patterson, NY 12563

TITLE: OUTLINE
USED ON

SIZE	CAGE CODE	DWG NO	REV
A	28812	10010 - 506	-

SCALE 1:4 SHEET 1 OF 1

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