


PRODUCT DATA SHEET
C6473

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: 500 - 1000 MHz
 Power: 1500 W CW
 Coupling: 40 ± 1.0 dB Max.
 Insertion Loss: 0.2 dB Max.
 Flatness: ± 0.25 dB Max.
 VSWR (ML): 1.15:1 Max.
 Directivity: 20 dB Min.

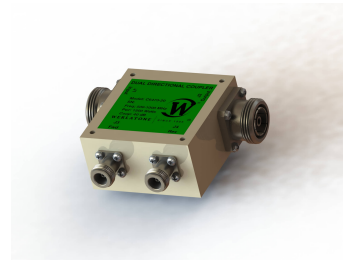
Mechanical Specifications:

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: 3.0 x 3.0 x 1.59"

Connector Configurations:

Model	Input (J1)	Output (J2)	Fwd (J3)	Rev (J4)
C6473-10*	N Female	N Female	N Female	N Female
C6473-12*	N Female	N Female	SMA	SMA
C6473-13*	N Female	N Female	BNC	BNC
C6473-20	7/16 Female	7/16 Female	N Female	N Female
C6473-22	7/16 Female	7/16 Female	SMA	SMA
C6473-23	7/16 Female	7/16 Female	BNC	BNC
C6473-43*	SC Female	SC Female	SMA	SMA
C6473-627	7/16 Female	7/16 Male	N Female	N Female
C6473-727	7/16 Male	7/16 Female	N Female	N Female
C6473-728	7/16 Male	7/16 Female	SMA	SMA

*Starred options are 3.0 x 3.0 x 1.09"

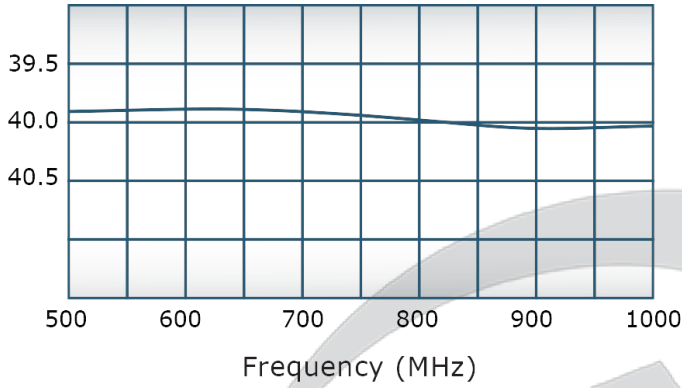


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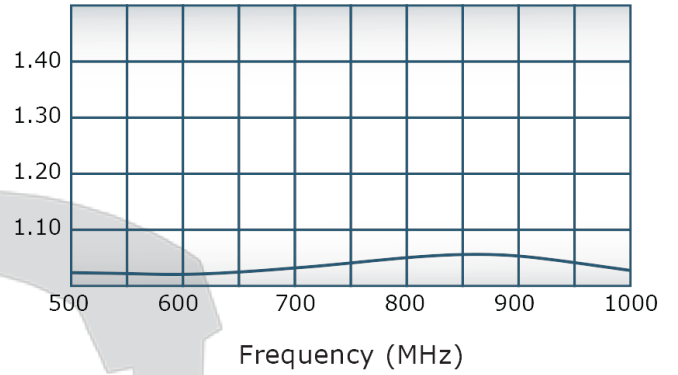
C6473

Performance Data (Specifications subject to change without notice):

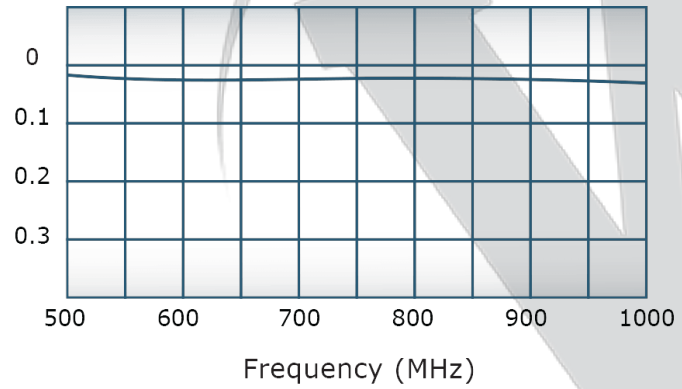
Coupling:



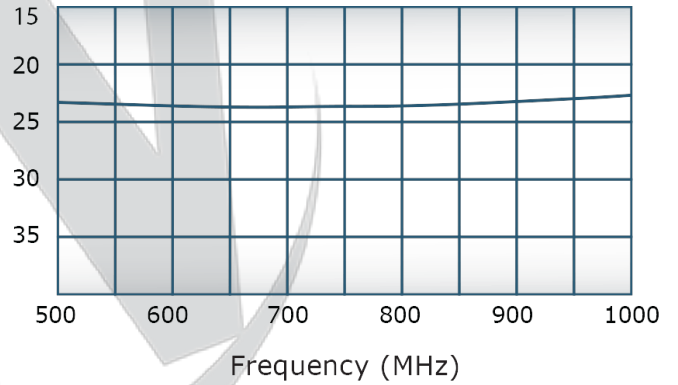
VSWR:



Insertion Loss:



Directivity:



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

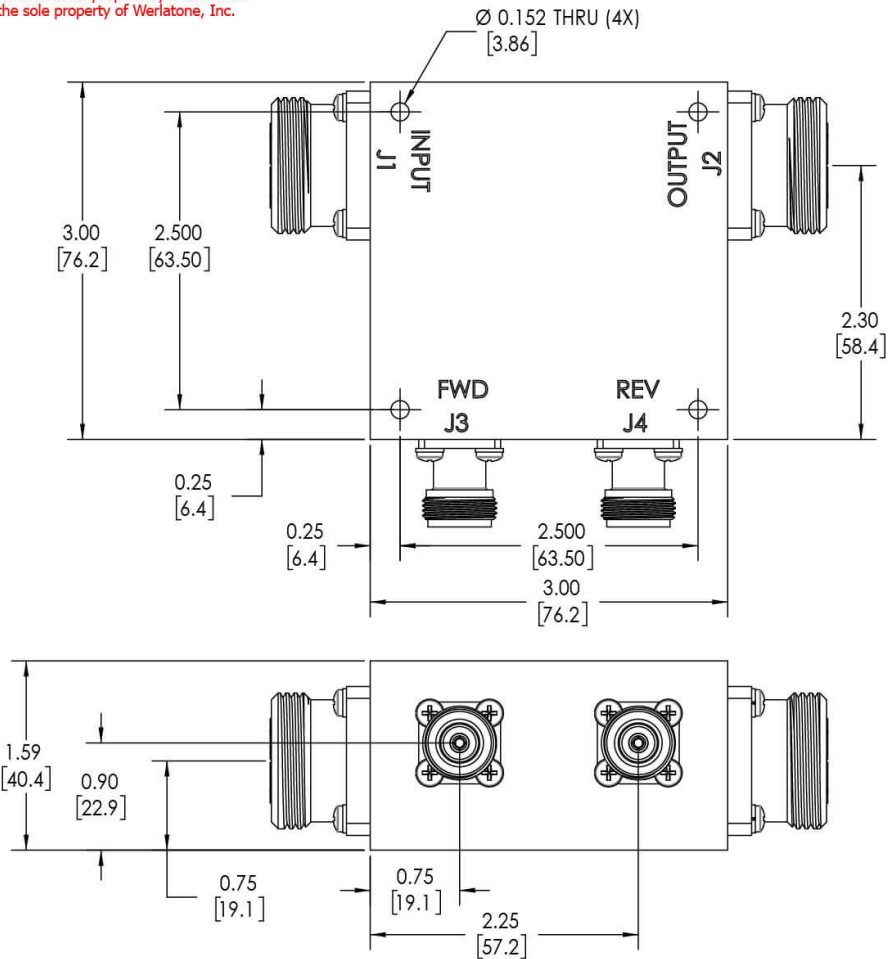
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REVISION HISTORY

REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	5/13/2019	RB

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL: ALUMINUM 6061-T6**
- FINISH: CHEM FILM PER MIL-DTL-5541F CLASS I TYPE 3 (YELLOW IRIDITE)**
- CONNECTORS:
 J1, J2: 7/16 FEMALE
 J3, J4: N FEMALE**



		UNLESS OTHERWISE SPECIFIED	DWN	DATE	17 Jon Barrett Rd Patterson, NY 12563
		INTERPRET DRAWING IAW MIL-STD-100	SD	5/13/2019	WERLATONE SINCE 1965
		DIMENSIONS PER ASME Y14.5M-2009	CHK	DATE	
		PARENTHEetical INFO FOR REF ONLY	CS	5/13/2019	
		DIMENSIONS ARE IN INCHES	ENGR	DATE	TITLE
		DIMENSIONAL LINES APPLY BEFORE PROCESSES			OUTLINE
		TOLERANCES:			SIZE
		ANGLES ± 2°			CAGE CODE
		3 PL ± .005 [13]			DWG NO
		2 PL ± .015 [38]			REV
		REMOVE ALL BURRS AND SHARP EDGES R.01 MAX			B
		CONCENTRICITY MACHINED DIA: .002 FIM			10443-501
		MACHINE TOOL MISMATCH .003 MAX.			A
NEXT ASSY	USED ON	THIRD ANGLE PROJECTION	RLSE	DATE	SCALE
					1:1
APPLICATION					SHEET 1 OF 1

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