

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"

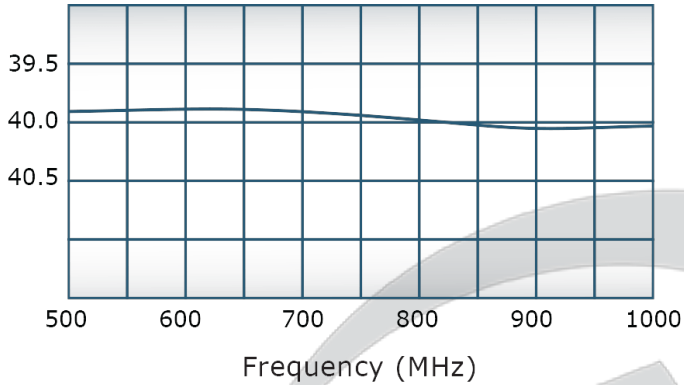


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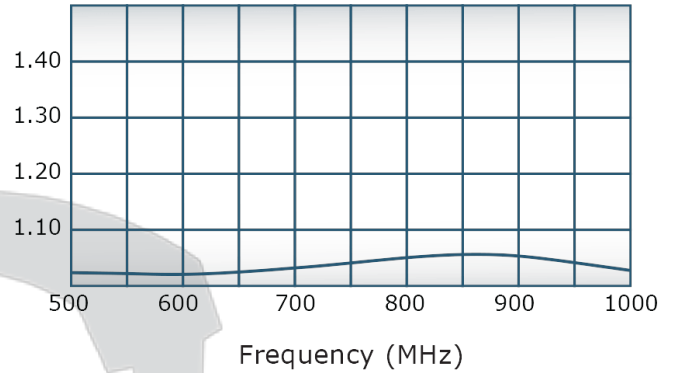
C6473

Performance Data (Specifications subject to change without notice):

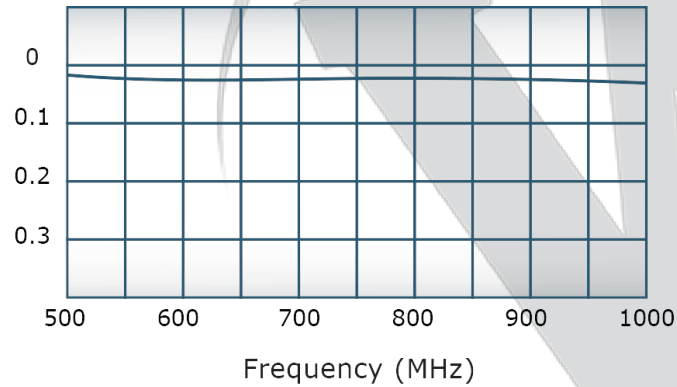
Coupling:



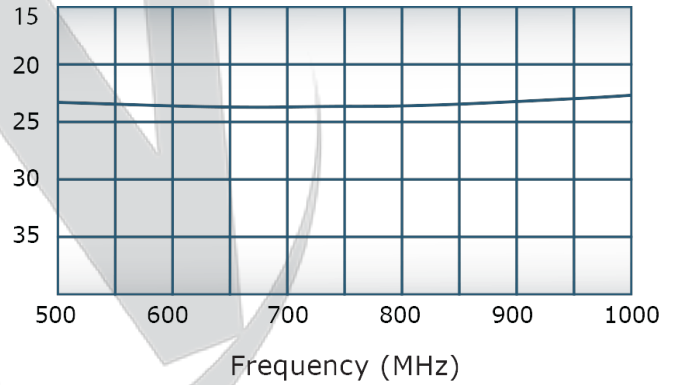
VSWR:



Insertion Loss:



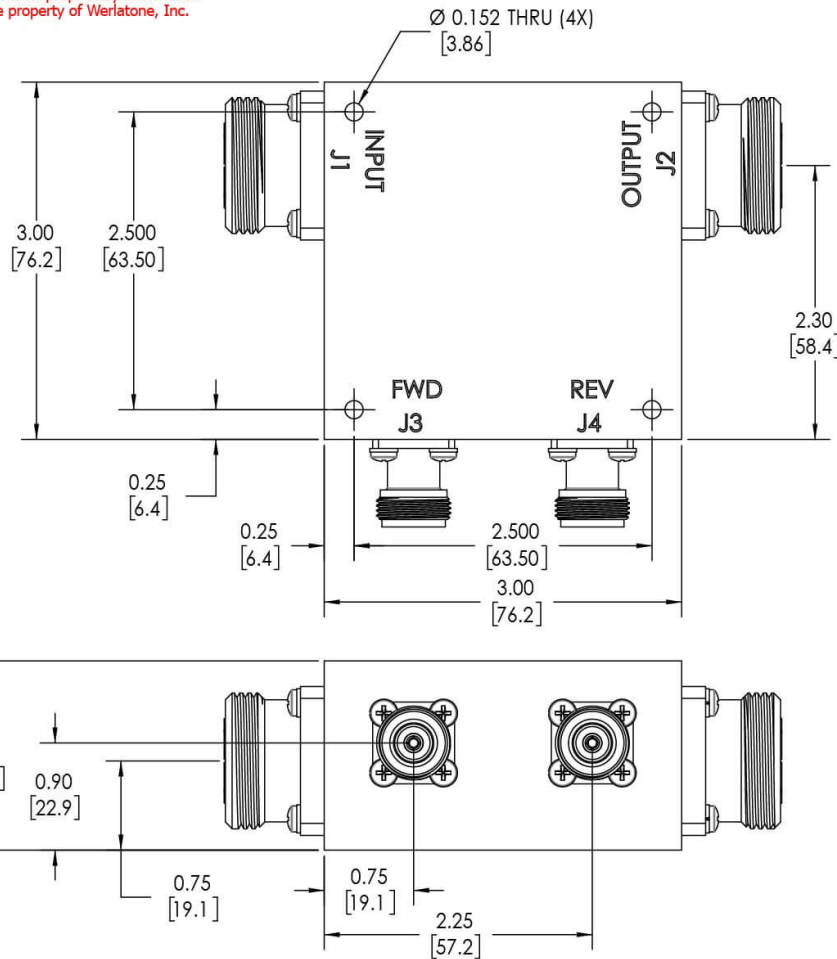
Directivity:



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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		DATE	5/13/2019	17 Jon Barrett Rd Patterson, NY 12563
INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100		DATE	5/13/2019	
DIMENSIONS FOR ASSEMBLY		DATE	5/13/2019	TITLE
PARENTHESES ARE USED FOR REFERENCE		DATE	5/13/2019	
DIMENSIONS ARE IN INCHES		DATE	5/13/2019	OUTLINE
DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		DATE	5/13/2019	
TOLERANCES:		DATE	5/13/2019	SIZE
ANGLES ± 2°		DATE	5/13/2019	
3 PL ± .005 [13]		DATE	5/13/2019	CAGE CODE
2 PL ± .015 [38]		DATE	5/13/2019	
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX		DATE	5/13/2019	DWG NO
CONCENTRICITY MACHINED DIA. .002 FIM		DATE	5/13/2019	
MACHINE TOOL MISMATCH .003 MAX		DATE	5/13/2019	REV
THIRD ANGLE PROJECTION		DATE	5/13/2019	
NEXT ASSY		DATE	5/13/2019	SCALE
USED ON		DATE	5/13/2019	
APPLICATION		DATE	5/13/2019	SHEET 1 OF 1
		DATE	5/13/2019	

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