
PRODUCT DATA SHEET
C6411

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.

Electrical Specifications:

Frequency: 100 - 700 MHz
Power: 3000 W CW
Coupling: 50 ± 1.0 dB Max.
Insertion Loss: 0.15 dB Max.
Flatness: ± 0.5 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 1.09"

Connector Configurations:

Model	Input (J1)	Output (J2)	Fwd (J3)	Rev (J4)
C6411-10	N Female	N Female	N Female	N Female
C6411-12	N Female	N Female	SMA	SMA
C6411-13	N Female	N Female	BNC	BNC
C6411-20*	7/16 Female	7/16 Female	N Female	N Female
C6411-22*	7/16 Female	7/16 Female	SMA	SMA
C6411-23*	7/16 Female	7/16 Female	BNC	BNC
C6411-41	SC FEmale	SC Female	N Female	N Female
C6411-610	N Female	N Male	N Female	N Female
C6411-627*	7/16 Female	7/16 Male	N Female	N Female
C6411-727*	7/16 Male	7/16 Female	N Female	N Female
C6411-728*	7/16 Male	7/16 Female	SMA	SMA

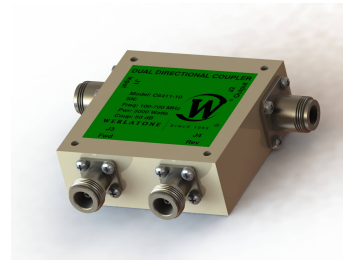
(7/16-F Main Line connector option increases size to 3.0 x 3.0 x 1.59")



WERLATONE

Model C6411

Connectorized Directional Couplers

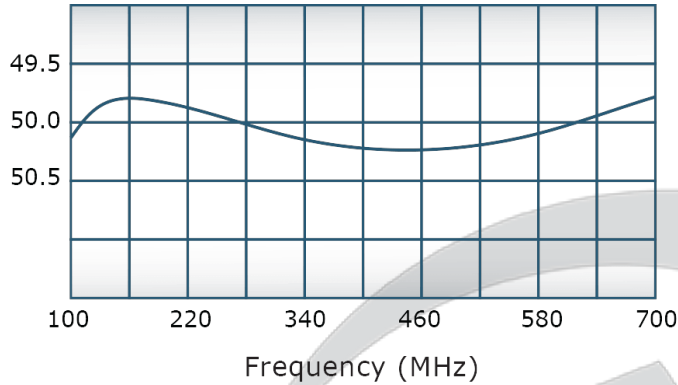


PRODUCT DATA SHEET

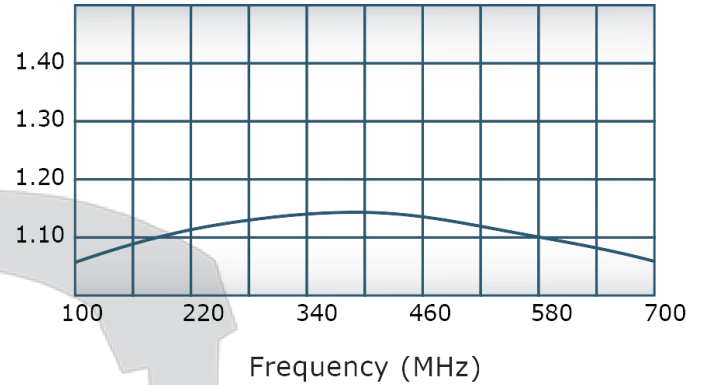
C6411

Performance Data (Specifications subject to change without notice):

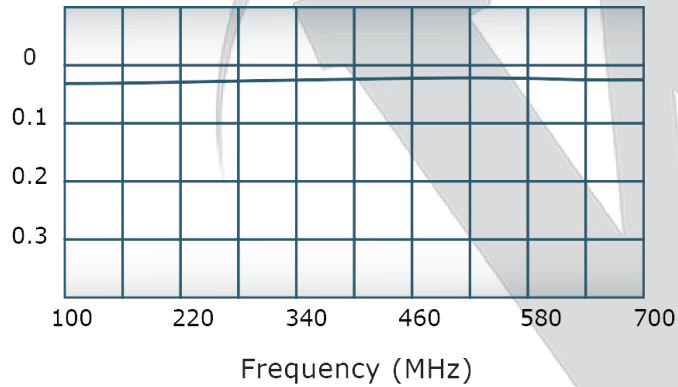
Coupling:



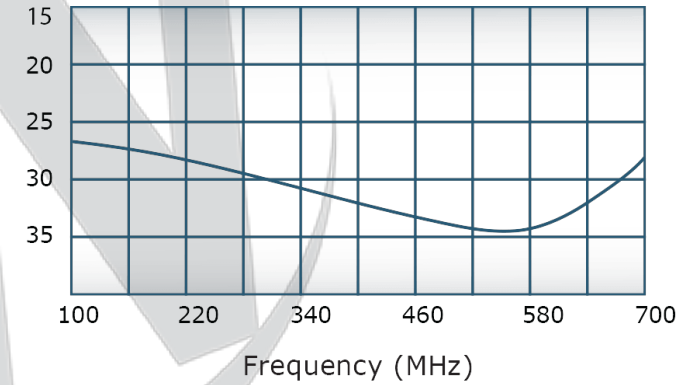
VSWR:



Insertion Loss:



Directivity:



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REVISION HISTORY

REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	11/27/18	RB

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL: ALUMINUM 6061-T6
2. FINISH: CHEM FILM PER MIL-DTL 5541F TYPE I CLASS 3 (YELLOW IRIDITE)

		UNLESS OTHERWISE SPECIFIED		OWN	DATE	 WERLATON® SINCE 1965	17 Jon Barrett Rd Patterson, NY 12568		
		<ul style="list-style-type: none">• INTERPRET DRAWING AS PER: STD-100• OVERENGINEERING PER ASME 13.2-2009• PREDICTIVE TOL 2WC FOR KST ONLY• DIMENSIONS ARE IN INCHES• DIMENSIONAL LIMITS APPLY BEFORE PROCESSES• TOLERANCES:<ul style="list-style-type: none">ANGLES: ± .2°2 PL. ± .005 [1.3]3 PL. ± .015 [3.8]• REMOVE ALL BURRS AND SHARP EDGES R.01 MIN• CONCENTRICITY MACHINED DIA. .002 FIM• MACHINE TOOL REPERIOD: .001 MIN		RH	7/5/2001		 WERLATON® SINCE 1965		
				CHK	DATE				
				ENGR	DATE				
				RAD	7/5/2001				
				REFGR	DATE	OUTLINE			
				QA	DATE	SIZE	CAGE CODE	DWG NO	REV
				RELSE	DATE	B		10379-505	A
NEXT ASSY	USED ON			SCALE	1:1		SHEET 1 OF 1		
APPLICATION		THIRD ANGLE PROJECTION 							

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