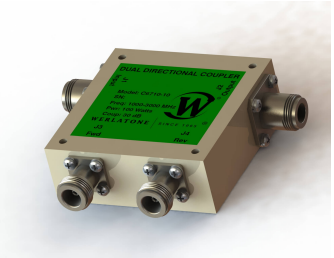
WERLATONE

Model C6710
Connectorized Directional Couplers



PRODUCT DATA SHEET **C6710**

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:	1000 - 3000 MHz
Power:	100 W CW
Coupling:	30 ± 1.0 dB Max.
Insertion Loss:	0.3 dB Max.
Flatness:	± 0.5 dB Max.
VSWR (ML):	1.30:1 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"

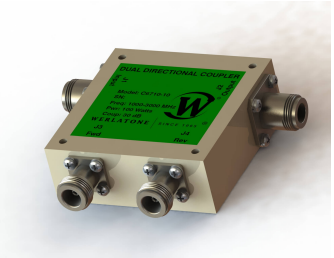
Connector Configurations:

Model	**Input (J1)**	**Output (J2)**	**Fwd (J3)**	**Rev (J4)**
C6710-10	N Female	N Female	N Female	N Female
C6710-12	N Female	N Female	SMA	SMA
C6710-13	N Female	N Female	BNC	BNC
C6710-102	SMA	SMA	SMA	SMA
C6710-610	N Female	N Male	N Female	N Female

Werlatone® Broadband Dual, Uni, and Bi Directional RF Couplers are designed to tolerate the most stringent operating conditions associated with military and EMC testing environments. Many of our RF Directional Couplers, designated Mismatch Tolerant®, will operate continuously, at rated power, into a severe load mismatch condition. Our multi-octave Directional Couplers maintain exceptional coupling flatness, directivity, VSWR, and insertion loss.

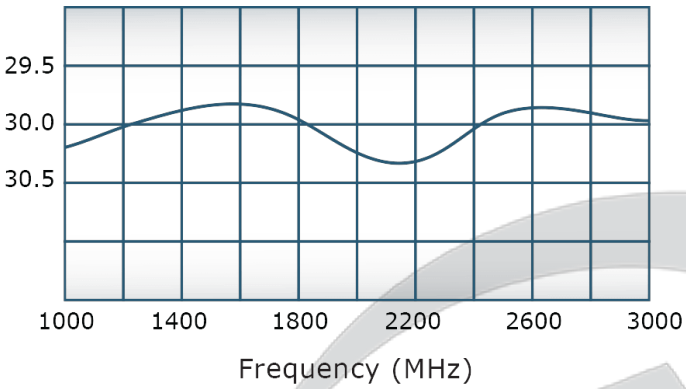
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Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

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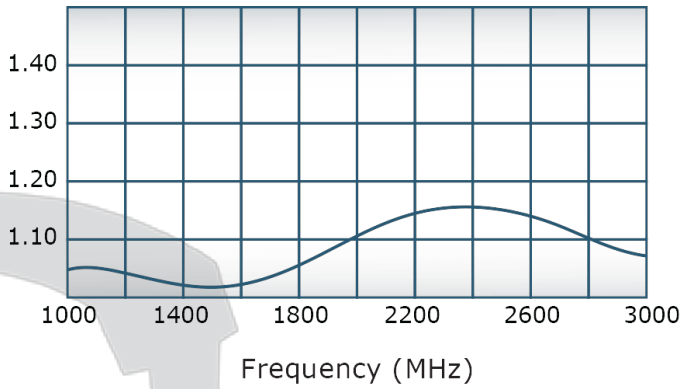


Performance Data (Specifications subject to change without notice):

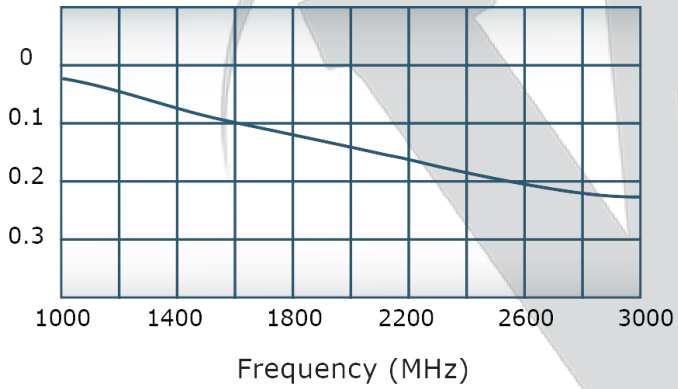
Coupling:



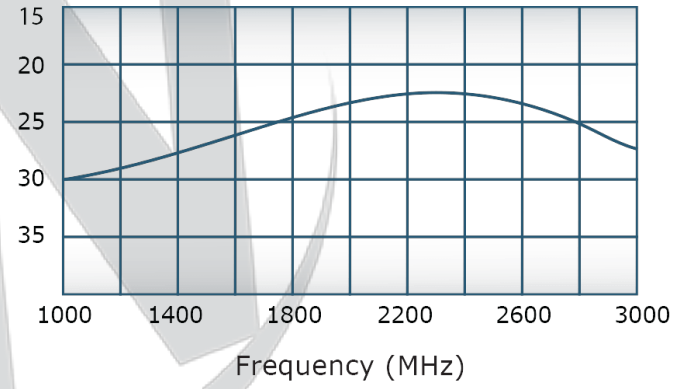
VSWR:



Insertion Loss:

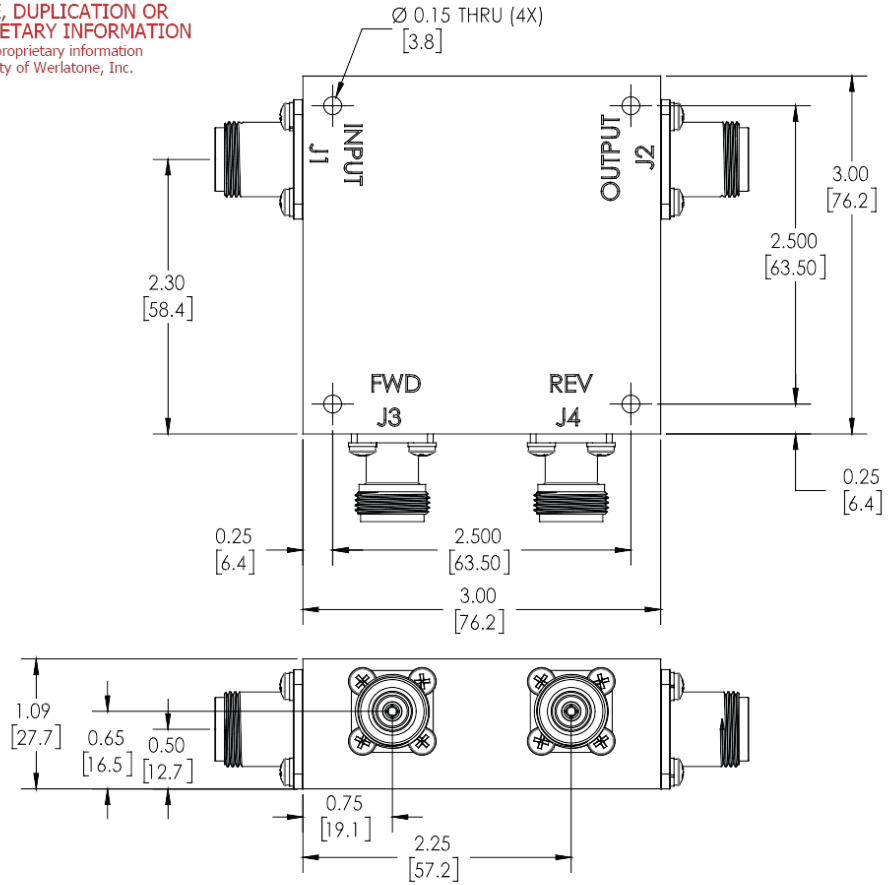


Directivity:



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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	DWN	DATE	WERLATONE SINCE 1965 — 17 Jon Barrett Rd Patterson, NY 12563
		• 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° 3 PL ± .005 [.13] 2 PL ± .015 [.38] • REMOVE ALL BURRS AND SHARP EDGES R.01 MAX • CONCENTRICITY MACHINED EDA: .002 FIM • MACHINE TOOL MISMATCH .003 MAX	RH	7/5/2001	TITLE: OUTLINE
			CHK	DATE	
			ENGR	DATE	
			MJ	7/5/2001	
			MFGR	DATE	
			QA	DATE	SIZE: B — CAGE CODE — DWG NO: 10379-505 — REV: A
NEXT ASSY	USED ON		RLSE	DATE	SCALE: 1:1 — SHEET 1 OF 1
APPLICATION		THIRD ANGLE PROJECTION			

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