

PRODUCT DATA SHEET

C6326

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: 10 - 1000 MHz
Power: 75 W CW
Coupling: 30 ± 1.0 dB Max.
Flatness: ± 1.0 dB Max.
Insertion Loss: 1.25 dB Max.
VSWR (ML): 1.35:1 Max.
Directivity: 18 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: 2.7 x 1.5 x 1.1"

Connector Configurations:

Model	Input (J1)	Output (J2)	Fwd (J3)	Rev (J4)
C6326-10	N Female	N Female	N Female	N Female
C6326-12	N Female	N Female	SMA	SMA
C6326-13	N Female	N Female	BNC	BNC
C6326-102	SMA	SMA	SMA	SMA

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.



WERLATONE

Model C6326

Connectorized Directional Couplers

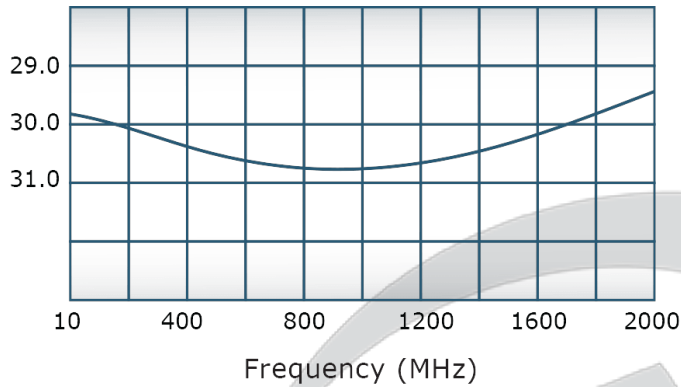


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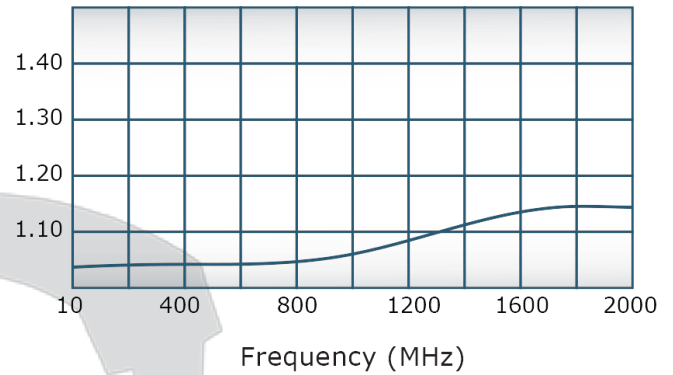
C6326

Performance Data (Specifications subject to change without notice):

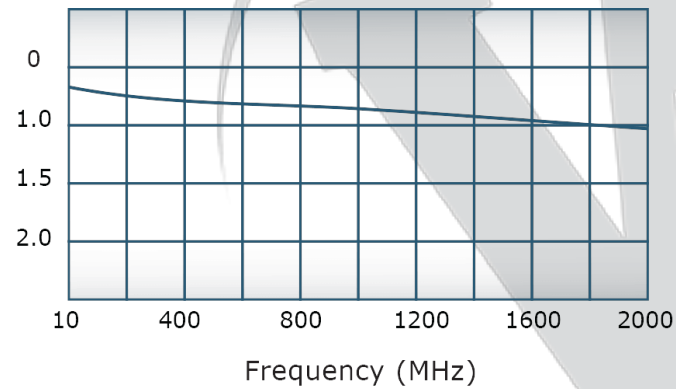
Coupling:



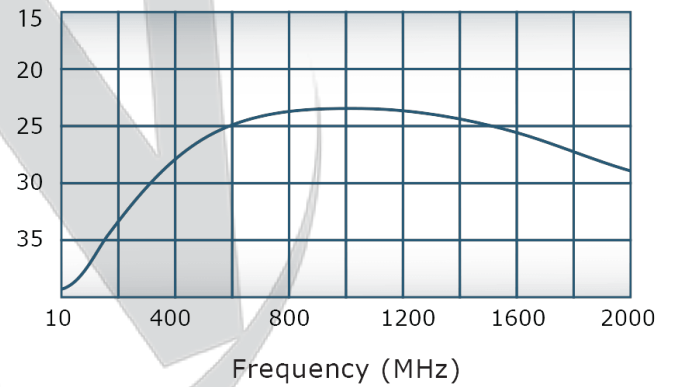
VSWR:



Insertion Loss:



Directivity:



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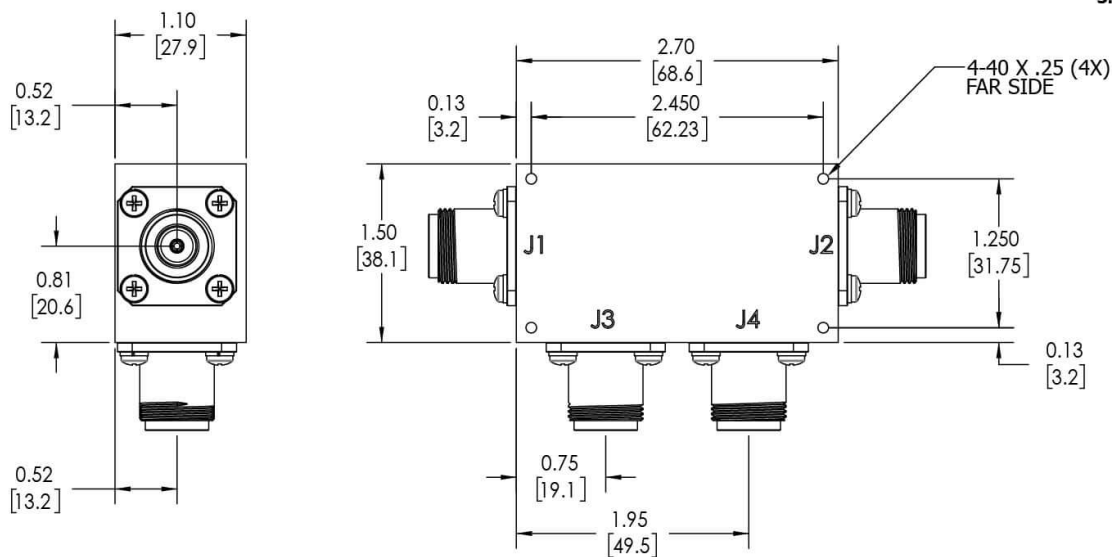
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	5/14/2019	RB

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL: ALUMINUM 6061-T6**
- FINISH: CHEM FILM PER MIL-DTL-5541F TYPE I CLASS 3 (YELLOW IRIDITE)**
- CONNECTORS:**
J1-J4: N FEMALE
J1-INPUT; J2-OUTPUT
J3-FWD; J4-REV



		UNLESS OTHERWISE SPECIFIED		OWN	DATE			17 Jon Barrett Rd Patterson, NY 12563		
		INTERPRET DRAWING IAW MIL-STD-100		SD	5/14/2019		WERLATONE SINCE 1965			
		DIMENSIONING FOR ASME Y14.5M-2009		CHK	DATE					
		PARENTHESES INFO FOR REF ONLY		CS	5/14/2019	TITLE	OUTLINE			
		DIMENSIONS ARE IN INCHES		ENGR	DATE					
		DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		INFR	DATE	SIZE	CAGE CODE	DWG NO		
		TOLERANCES:		QA	DATE	10685-500				REV
		ANGLES ± 2°		RLSE	DATE					A
		3 PL ± .005 [13]								
		2 PL ± .015 [38]								
		REMOVE ALL BURRS AND SHARP EDGES R.01 MAX								
		CONCENTRICITY MACHINED DIA: .002 FIM								
		MACHINE TOOL MISMATCH .003 MAX								
NEXT ASSY		USED ON		THIRD ANGLE PROJECTION 						
APPLICATION										

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