WERLATONE

Model C7925
Connectorized Directional Couplers



PRODUCT DATA SHEET **C7925**

4-Port Bi-Directional Coupler: Similar to the 3-Port Uni-Directional Coupler, except that both ends of the coupled line serve as coupled ports. Convenient for simultaneously monitoring both forward and reverse power. The directivity of this coupler design is, however, dependent upon well matched 50 Ohm loads on the coupled ports.

Features:

High Power Wide Bandwidths Small Size Flat Coupling Custom Designs Available

Electrical Specifications:

Frequency:	500 - 2000 MHz
Power:	200 W CW
Coupling:	10 ± 1.0 dB Max.
Insertion Loss:	0.35 dB Max.
Flatness:	± 1.2 dB Max.
VSWR (ML):	1.25:1 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:	3.7 x 2.0 x 0.75"
Weight:	8 ounces

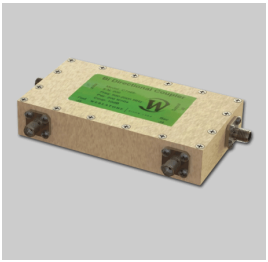
Connector Configurations:

Model	**Input (J1)**	**Output (J2)**	**Fwd (J3)**	**Rev (J4)**
C7925-10	N Female	N Female	N Female	N Female
C7925-12	N Female	N Female	SMA	SMA
C7925-102	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.

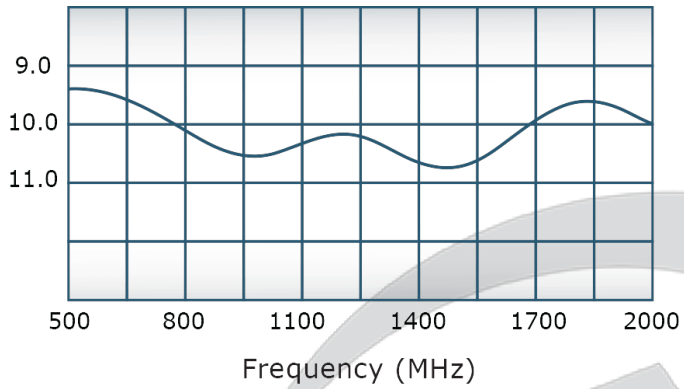
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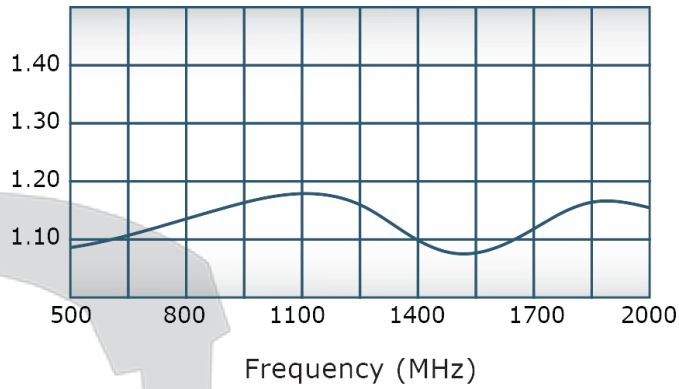


Performance Data (Specifications subject to change without notice):

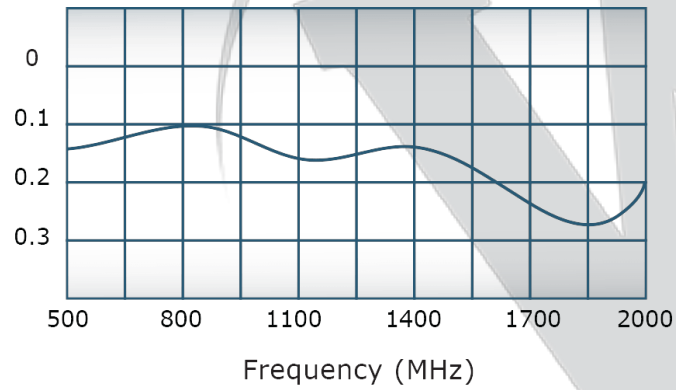
Coupling:



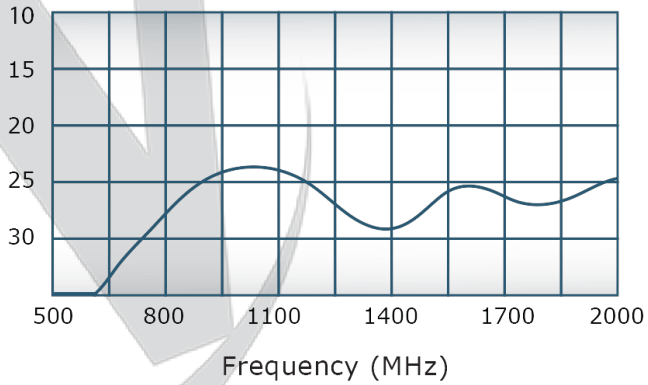
VSWR:



Insertion Loss:



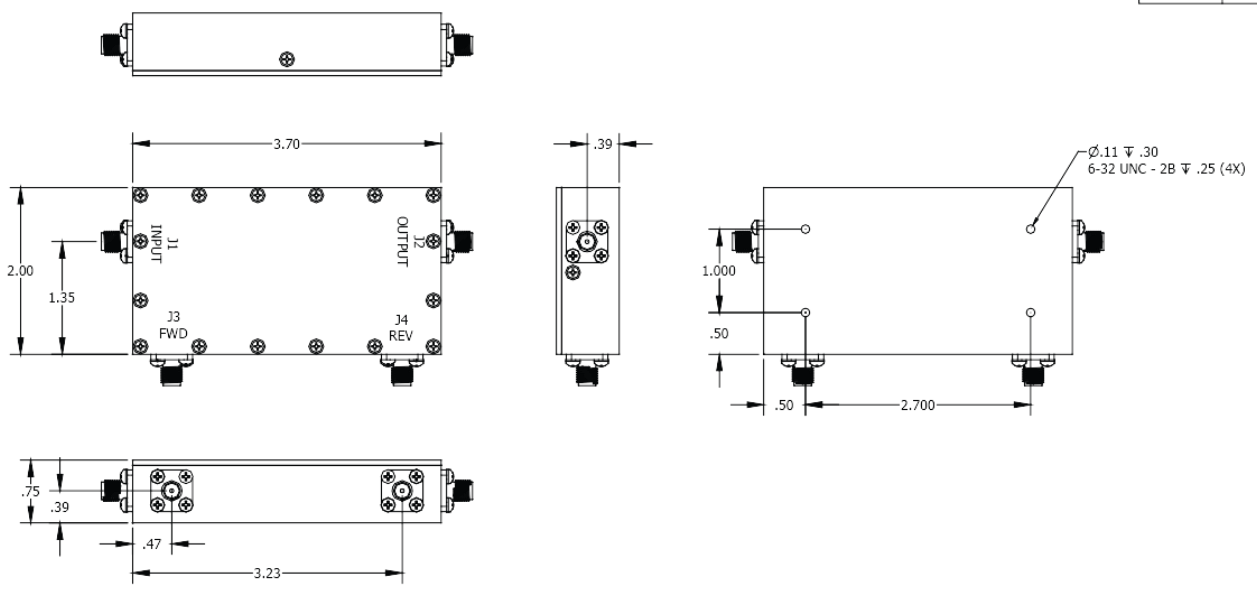
Directivity:



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REVISION HISTORY					
DATE	REV	REVISION RECORD	AUTH	CHK	APPV



UNLESS OTHERWISE SPECIFIED ° 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° .XXX ± .005 .XX ± .015 THIRD ANGLE PROJECTION	DWN NH	DATE 4/1/2010	WERLATONE | SINCE 1965 2095 Route 22 Brewster, NY 10509
	CHK BW	DATE 4/1/2010	TITLE OUTLINE
	ENGR BW	DATE 4/1/2010	USED ON
	MFGR	DATE	
	QA	DATE	SIZE A | CAGE CODE 28812 | DWG NO 20611-500 | REV
	RLSE	DATE	SCALE SHEET 1 OF 1

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