

PRODUCT DATA SHEET

C7926

3-Port Uni-Directional Coupler: Consists of a main line and a coupled line. One end of the coupled line is internally terminated, while the other end serves as a coupled port. Ideal for sampling and monitoring power in one direction at a given time. It is necessary to physically reverse the orientation of the unit to change from a forward to a reverse power measurement.

Features:

High Power Wide Bandwidths Small Size Flat Coupling Custom Designs Available

Electrical Specifications:

Frequency: 0.01 - 250 MHz
Power: 100 W CW
Coupling: 30 ± 1.0 dB Max.
Insertion Loss: 0.4 dB Max.
Flatness: ± 0.5 dB Max.
VSWR (ML): 1.20:1 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: 5.2 x 2.675 x 1.69"

Connector Configurations:

Model	Input (J1)	Output (J2)	Fwd (J3)
C7926-10	N Female	N Female	N Female
C7926-12	N Female	N Female	SMA
C7926-13	N Female	N Female	BNC
C7926-102	SMA	SMA	SMA
C7926-613	N Female	N Male	BNC

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 C7926

Connectorized Directional Couplers

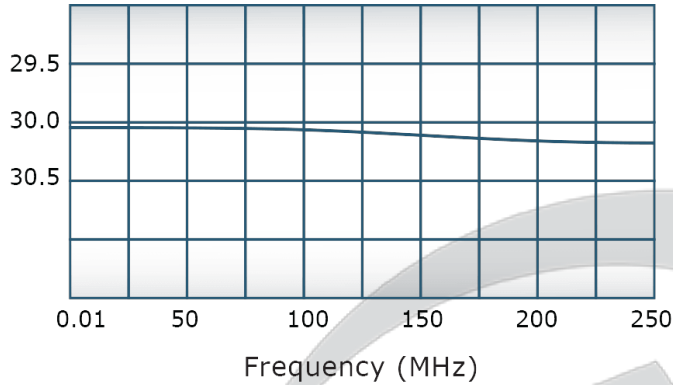


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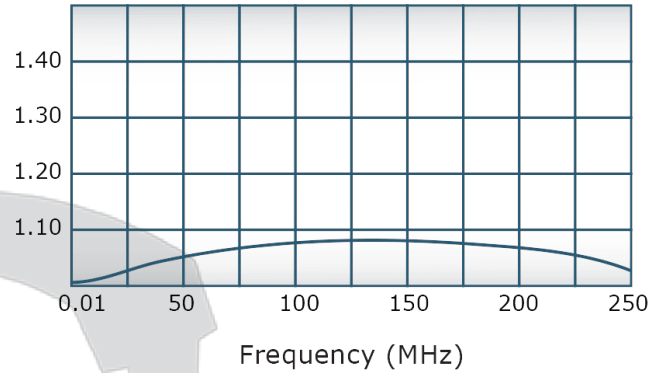
C7926

Performance Data (Specifications subject to change without notice):

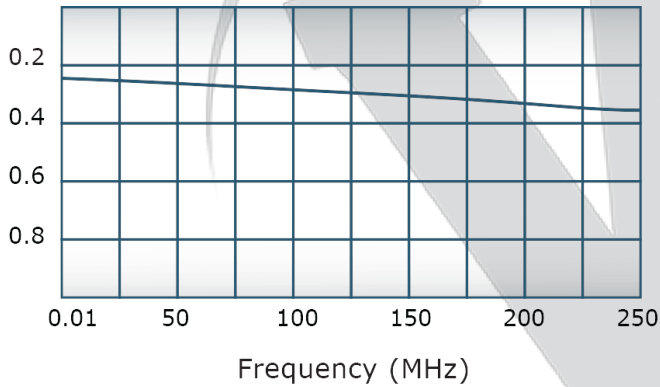
Coupling:



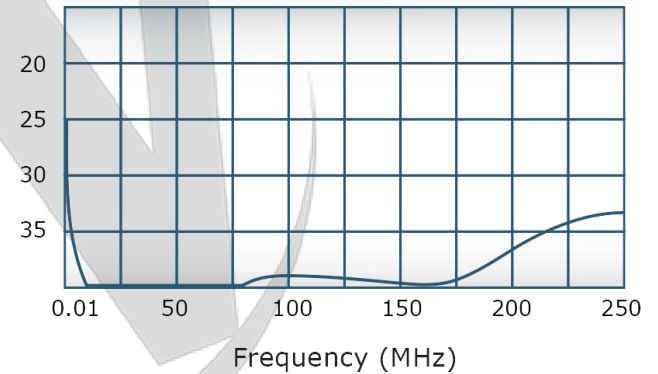
VSWR:



Insertion Loss:



Directivity:



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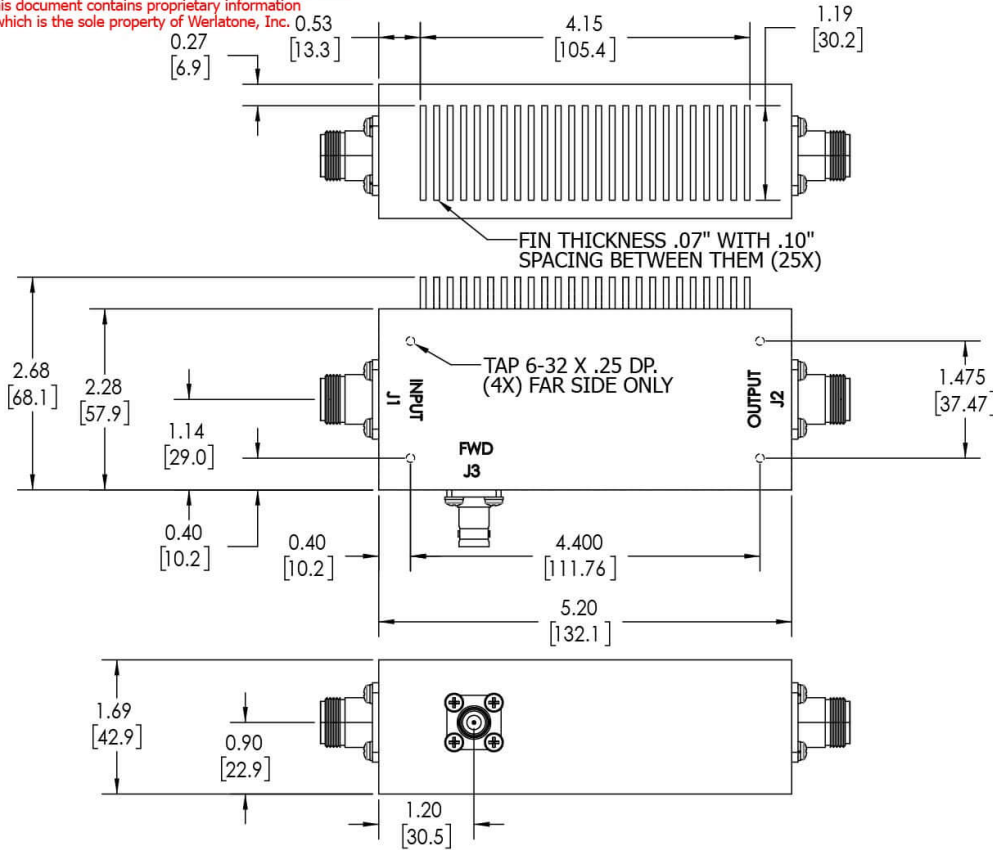
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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 3933	1/06	CS
B	ECN 9696	11/30/2018	RB

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL: ALUMINUM 6061-T6**
- FINISH: CHEM FILM PER MIL-DTL-5541F TYPE I CLASS 3 (YELLOW IRIDITE)**
- CONNECTORS:**
J1, J2: N FEMALE
J3: BNC FEMALE



UNLESS OTHERWISE SPECIFIED		OWN	DATE	SD		DATE	W		17 Jon Barrett Rd	
INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100		CHK	DATE	CS		DATE	WERLATONE SINCE 1965		Patterson, NY 12563	
DIMENSIONS FOR ASME Y14.5M-2009		ENGR	DATE	CS		DATE	TITLE			
PARENTHESES FOR REF ONLY		INFR	DATE	CS		DATE	OUTLINE			
DIMENSIONS ARE IN INCHES		QA	DATE	CS		DATE	SIZE		CAGE CODE	
DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		RLSE	DATE	CS		DATE	B		10407-503	
TOLERANCES:		THIRD ANGLE PROJECTION		CS		DATE	SCALE		1:1.5	
ANGLES ± 2°				CS		DATE	DWG NO		1	
3 PL ± .005 [13]				CS		DATE	REV		B	
2 PL ± .015 [38]				CS		DATE	SHEET 1 OF 1			
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX				CS		DATE				
CONCENTRICITY MACHINED DIA. .002 FIM				CS		DATE				
MACHINE TOOL MISMATCH .003 MAX				CS		DATE				
NEXT ASSY USED ON				CS		DATE				
APPLICATION				CS		DATE				

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