


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.

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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

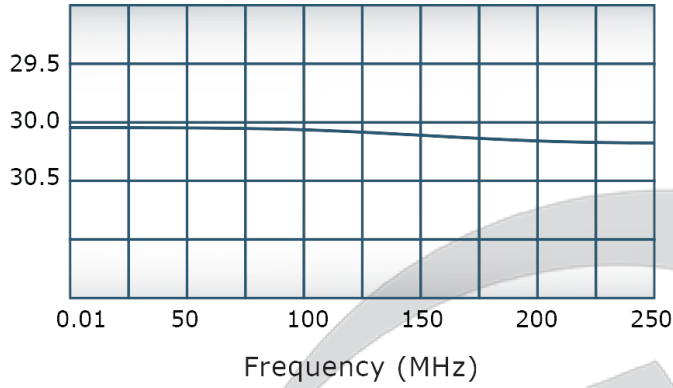


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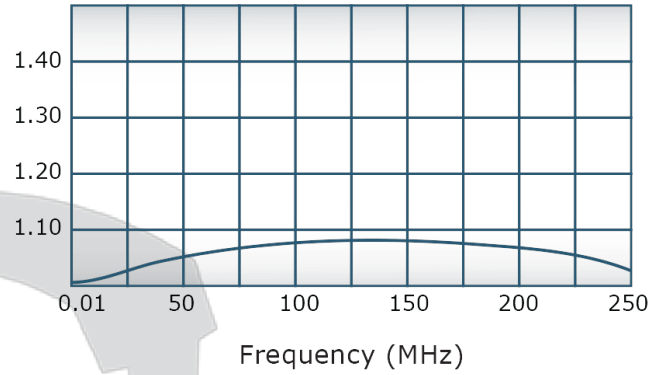
C7926

Performance Data (Specifications subject to change without notice):

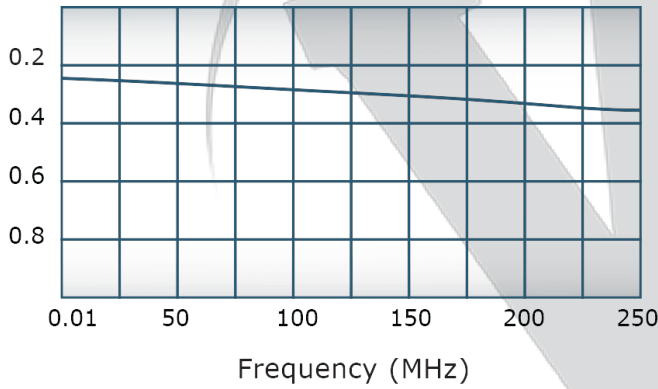
Coupling:



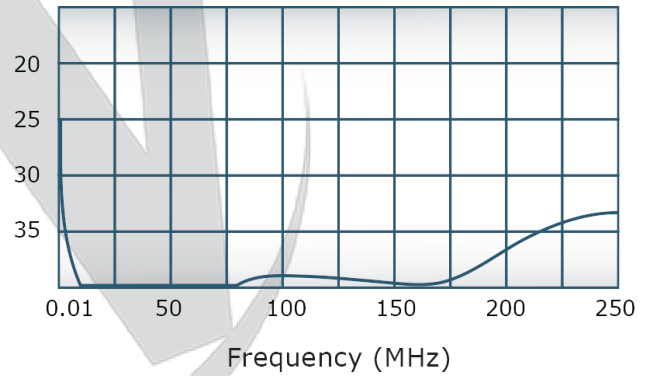
VSWR:



Insertion Loss:



Directivity:



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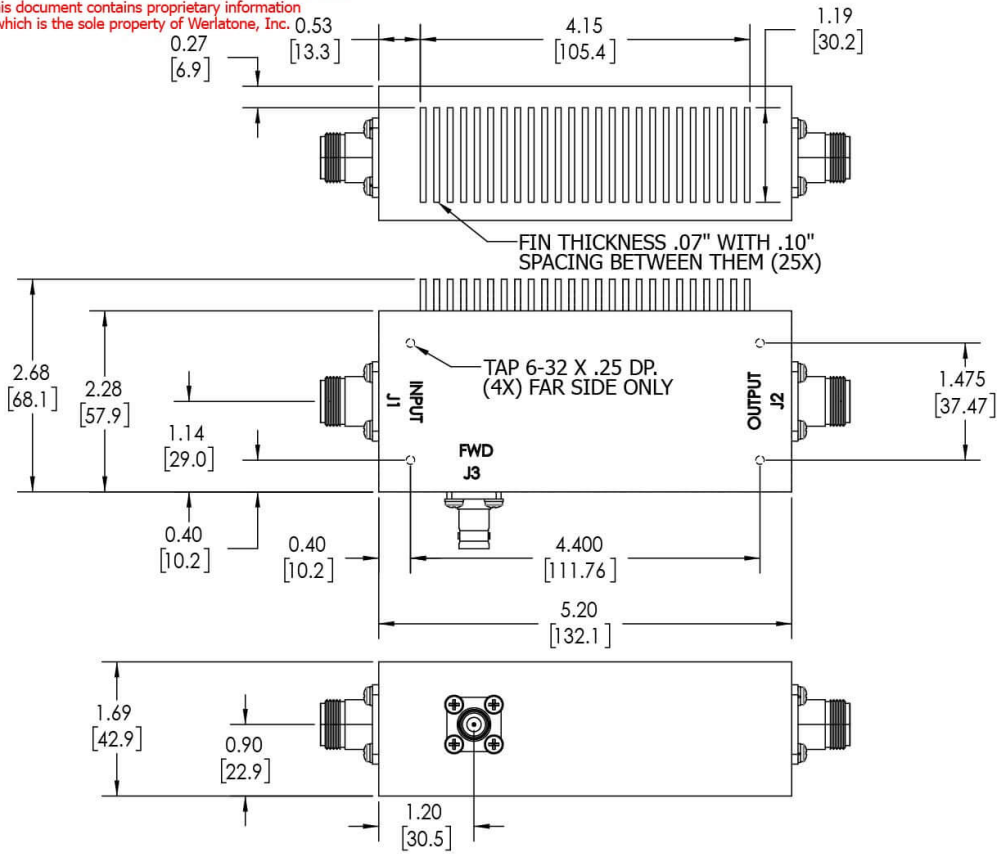
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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 3933	1/06	CS
B	ECN 9696	11/30/2018	RB

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		DATE	DATE	17 Jon Barrett Rd Patterson, NY 12563	
INTERPRET DRAWING IAW MIL-STD-100	SD	2/11/2019	DATE	WERLATONE SINCE 1965	
DIMENSIONS PER ASME Y14.5M-2009	CHK	DATE	DATE		
PARENTHEetical INFO FOR REF ONLY	ENGR	2/11/2019	DATE		
DIMENSIONS ARE IN INCHES	CS	2/27/2002	DATE		
DIMENSIONAL LINES APPLY BEFORE PROCESSES	INFR	DATE	DATE	OUTLINE SIZE CAGE CODE DWG NO B 10407-503	
TOLERANCES:	QA	DATE	DATE	REV	SHEET 1 OF 1
ANGLES ± 2°	RLSE	DATE	DATE	B	
3 PL ± .005 [13]	APPLICATION		DATE	SCALE	1:1.5
2 PL ± .015 [38]	USED ON		DATE	THIRD ANGLE PROJECTION	
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX	THIRD ANGLE PROJECTION		DATE	DATE	
CONCENTRICITY MACHINED DIA: .002 FIM			DATE	DATE	
MACHINE TOOL MISMATCH .003 MAX.			DATE	DATE	

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