
PRODUCT DATA SHEET
C7929

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: 100 - 200 MHz
 Power: 200 W CW
 Coupling: 10 ± 1.0 dB Max.
 Insertion Loss: 0.3 dB Max.
 Flatness: ± 1.0 dB Max.
 VSWR (ML): 1.25:1 Max.
 Directivity: 20 dB Min.

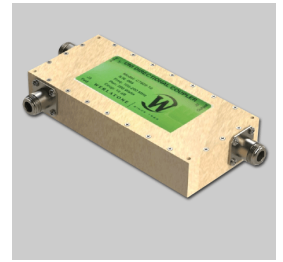
Mechanical Specifications:

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: 6.4 x 3.0 x 1.2"
 Weight: 1 lb. 2 ounces

Connector Configurations:

Model	Input (J1)	Output (J2)	Fwd (J3)
C7929-10	N Female	N Female	N Female
C7929-12	N Female	N Female	SMA
C7929-102	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.

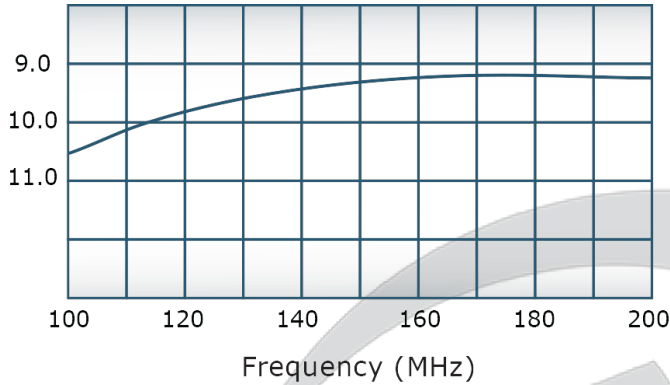


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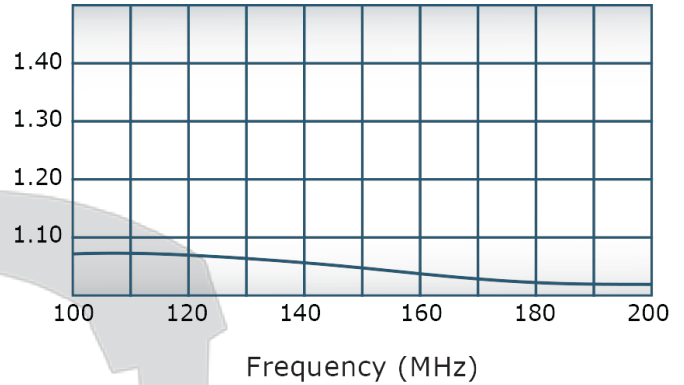
C7929

Performance Data (Specifications subject to change without notice):

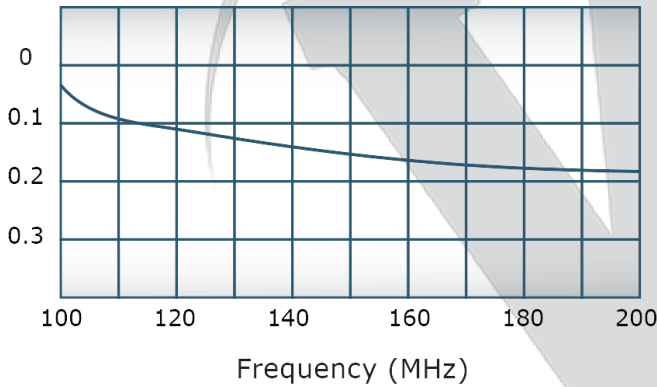
Coupling:



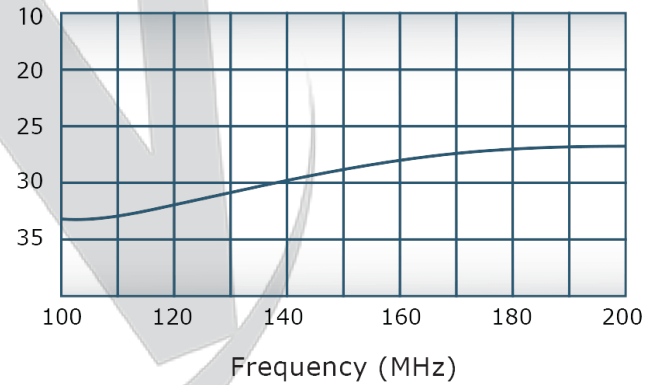
VSWR:



Insertion Loss:



Directivity:



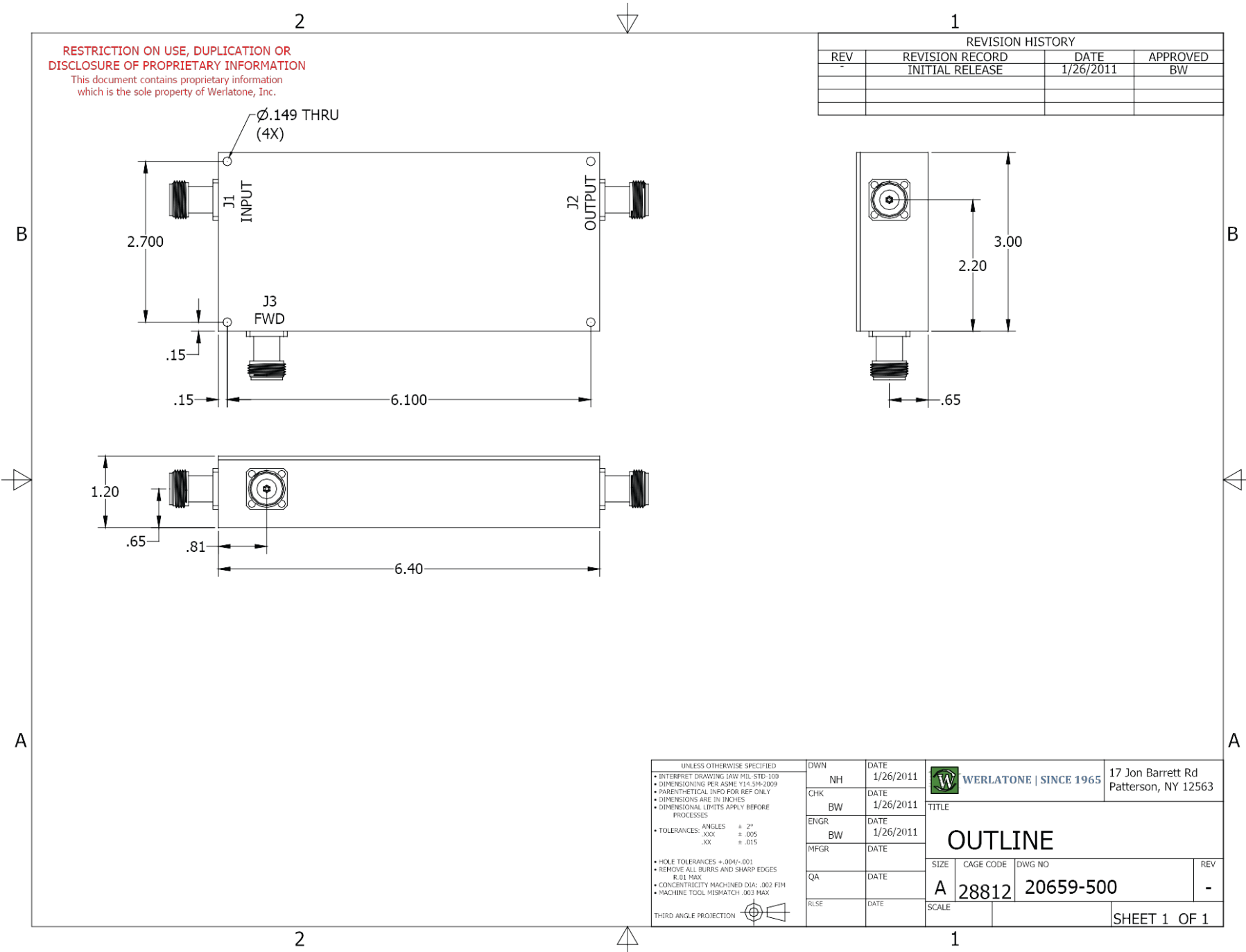
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Werlatone, Inc.

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REVISION HISTORY			
REV	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	1/26/2011	BW



UNLESS OTHERWISE SPECIFIED		DWN	DATE	WERLATONE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563		
<ul style="list-style-type: none"> • INTERPRET DRAWING IN ACC. WITH MIL-STD-100 • DIMENSIONING PER ASME Y14.5M-2009 • PARENTHETICAL INFO FOR REF ONLY • DIMENSIONS ARE IN INCHES • DIMENSIONAL LIMITS APPLY BEFORE PROCESSES 		NH	1/26/2011				
<ul style="list-style-type: none"> • TOLERANCES: ANGLES $\pm 2^\circ$.xxx $\pm .005$.xx $\pm .015$ 		CHK	DATE	TITLE			
<ul style="list-style-type: none"> • HOLE TOLERANCES $+.004/-0.01$ • REMOVE ALL BURRS AND SHARP EDGES • R.01 MAX. • CONCENTRICITY MACHINED DIA: .002 FIM • MACHINE TOOL MISMATCH .003 MAX 		BW	1/26/2011				
THIRD ANGLE PROJECTION		ENGR	DATE	OUTLINE			
		BW	1/26/2011				
		MFGR	DATE	SIZE	CAGE CODE	DWG NO	REV
		QA	DATE	A	28812	20659-500	-
		RLSE	DATE	SCALE			
							SHEET 1 OF 1

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