
**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.

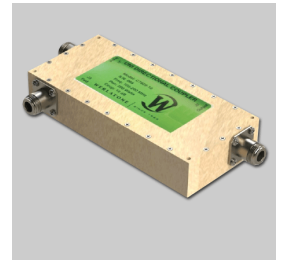
**Mechanical Specifications:**

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:**

<b>Model</b>	<b>Input (J1)</b>	<b>Output (J2)</b>	<b>Fwd (J3)</b>
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.

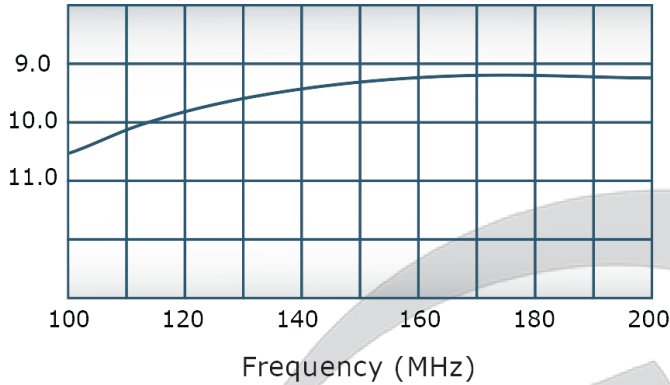


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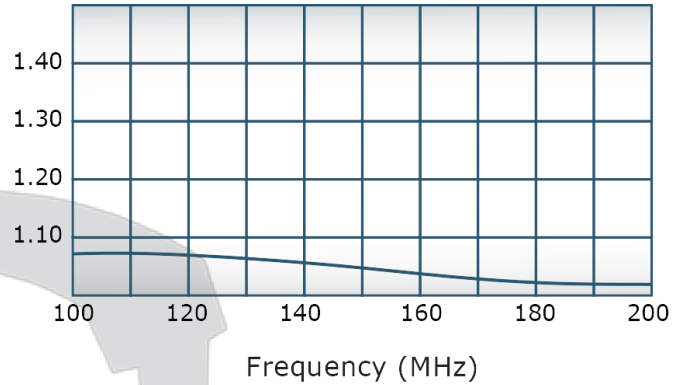
C7929

**Performance Data (Specifications subject to change without notice):**

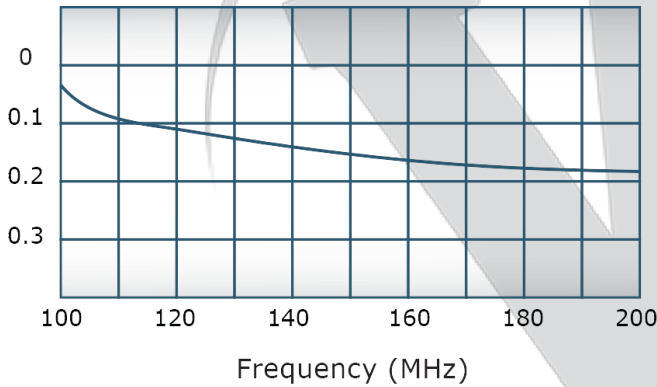
Coupling:



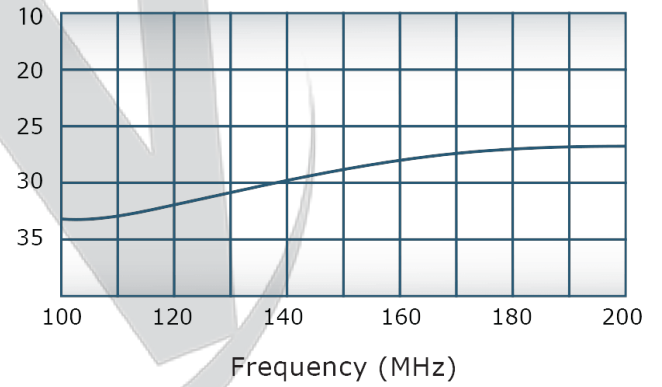
VSWR:



Insertion Loss:



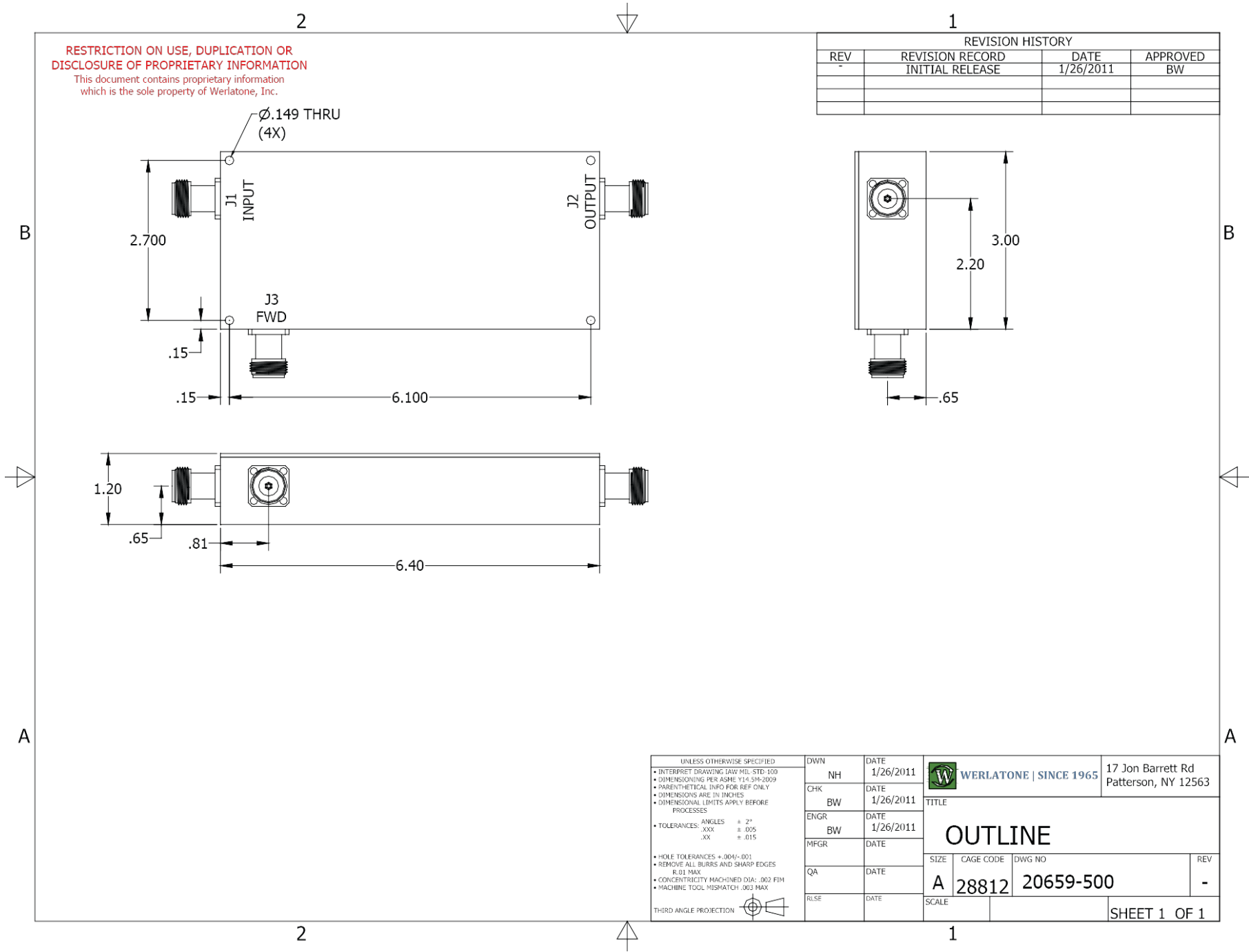
Directivity:



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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	<b>WERLATONE   SINCE 1965</b> 17 Jon Barrett Rd Patterson, NY 12563			
<ul style="list-style-type: none"> <li>• INTERPRET DRAWING IN ACC. WITH MIL-STD-100</li> <li>• DIMENSIONING PER ASME Y14.5M-2009</li> <li>• PARENTHETICAL INFO FOR REF ONLY</li> <li>• DIMENSIONS ARE IN INCHES</li> <li>• DIMENSIONAL LIMITS APPLY BEFORE PROCESSES</li> </ul>		NH	1/26/2011				
<ul style="list-style-type: none"> <li>• TOLERANCES: ANGLES ± 2°</li> <li>                  .xxx ± .005</li> <li>                  .xx ± .015</li> </ul>		CHK	DATE	TITLE			
<ul style="list-style-type: none"> <li>• HOLE TOLERANCES +.004/- .001</li> <li>• REMOVE ALL BURRS AND SHARP EDGES</li> <li>• R.01 MAX.</li> <li>• CONCENTRICITY MACHINED DIA: .002 FIM</li> <li>• MACHINE TOOL MISMATCH .003 MAX</li> </ul>		BW	1/26/2011	<b>OUTLINE</b>			
THIRD ANGLE PROJECTION		ENGR	DATE		SIZE		
		MFGR	DATE	CAGE CODE	DWG NO	REV	
		QA	DATE	A	28812	20659-500	-
		RLSE	DATE	SCALE			SHEET 1 OF 1

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