

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 - 1000 MHz
 Power: 100 W CW
 Coupling: 10 ± 1.0 dB Max.
 Insertion Loss: 0.5 dB Max.
 Flatness: ± 1.0 dB Max.
 VSWR (ML): 1.20:1 Max.
 Directivity: 17 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: Watertight, 100% Condensing
 Size: 7.05 x 3.03 x 1.2"
 Weight: 2 lbs.

Connector Configurations:

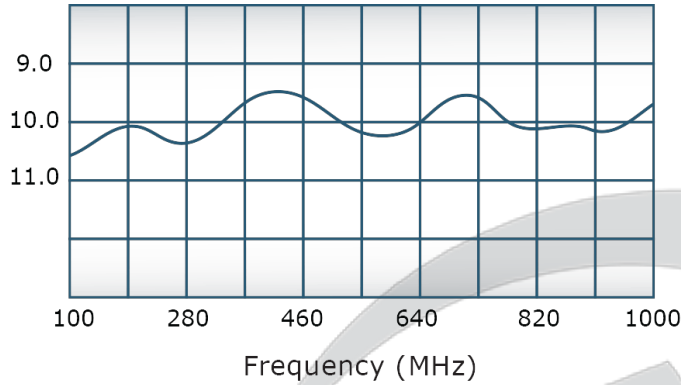
Model	Input (J1)	Output (J2)	Fwd (J3)
C9271W-10	N Female	N Female	N Female
C9271W-12	N Female	N Female	SMA
C9271W-102	SMA	SMA	SMA

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.

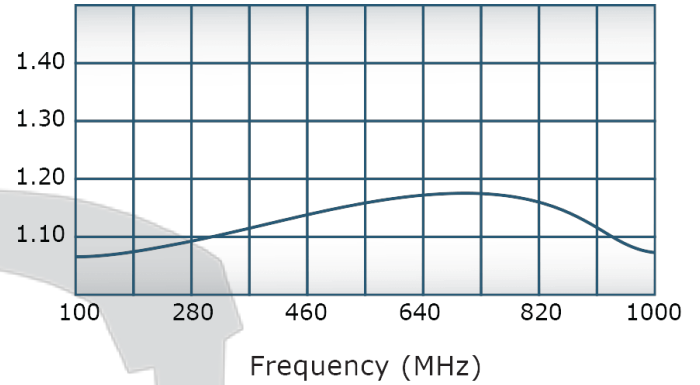


Performance Data (Specifications subject to change without notice):

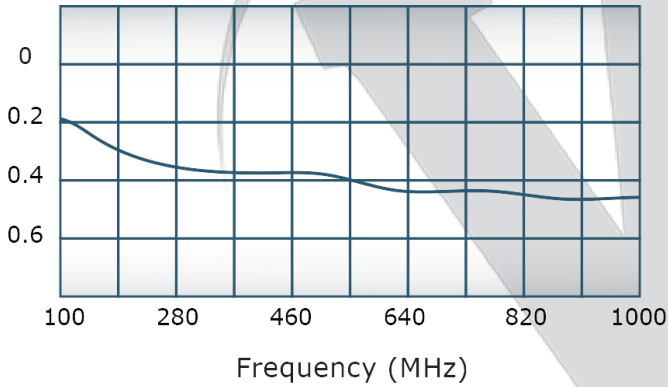
Coupling:



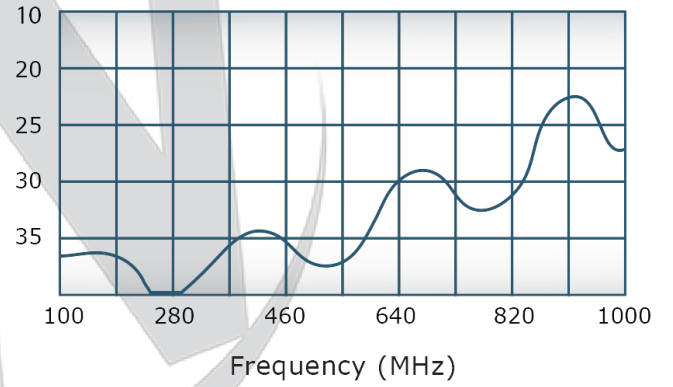
VSWR:



Insertion Loss:



Directivity:

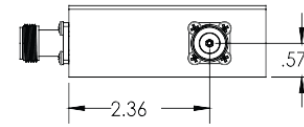
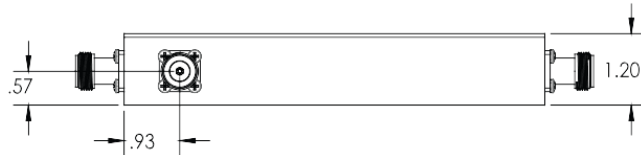
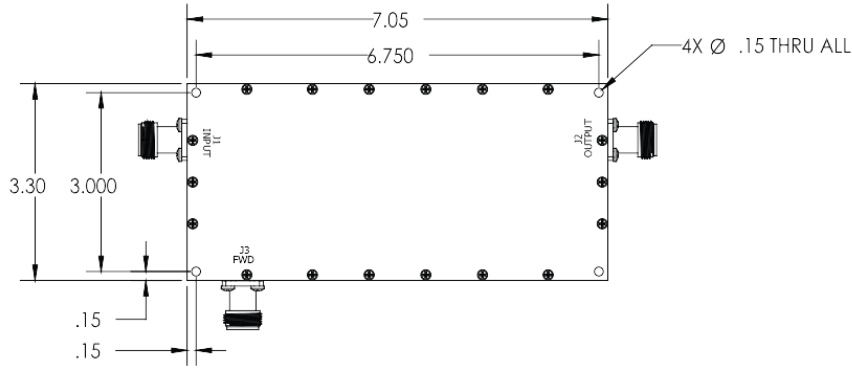


Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of Werlatone, Inc.

Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

RESTRICTION ON USE, DUPLICATION OR DISCLOSURE OF PROPRIETARY INFORMATION
 This document contains proprietary information which is the sole property of Werlatone, Inc.

REVISIONS			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN: 5677	6/7/2012	SC



UNLESS OTHERWISE SPECIFIED		DWN	DATE	WERLATONE SINCE 1965 17 Jon Barrett Rd Patterson, NY 12563
<ul style="list-style-type: none"> • INTERPRET DRAWING ACC. MFG. STEP 100 • DIMENSIONS FOR ASME Y14.5M-2009 • PARENTHETICAL INFO FOR REF ONLY • DIMENSIONS ARE IN INCHES • DIMENSIONAL LIMITS APPLY BEFORE PROCESSES • TOLERANCES: <ul style="list-style-type: none"> ANGLES ± 2° 3 PL ± .015 2 PL ± .015 • REMOVE ALL BURRS AND SHARP EDGES R.01 MAX • CONCENTRICITY MACHINED DIA: .003 FDM • MACHINE TOOL PREPARATION AND FINISH 		SC	6/7/2012	
		CHK	DATE	TITLE
		NH	6/7/2012	
		ENGR	DATE	C9271W-10B
		SW	6/7/2012	
		APPR	DATE	SIZE
		QA	DATE	CAGE CODE
		RESE	DATE	DWG NO
NEXT ASSY		USED ON		REV
APPLICATION		THIRD ANGLE PROJECTION		B 28812 20865-500
				SCALE
				1:2
				SHEET 1 OF 1

Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of Werlatone, Inc.
 Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com