



PRODUCT DATA SHEET

C9270W

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: 6 ± 1.0 dB Max.
Insertion Loss: 0.6 dB Max.
Total Loss: 1.25 dB Theoretical Loss +
0.6 dB Ins. Loss = 1.85 dB
Flatness: ± 1.0 dB Max.
VSWR (ML): 1.30:1 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), Black
Epoxy Paint/White Epoxy Lettering
RoHS Compliant Available
Operating Temperature: -55°C to +75°C
Storage Temperature: -60°C to +85°C
Humidity: 100% Condensing
Size: 7.05 x 3.3 x 1.2"
Weight: 33 ounces / 935 grams

Port Configurations:

Model	Input (J1)	Output (J2)	Fwd (J3)
C9270W-10-10	N Female	N Female	N Female

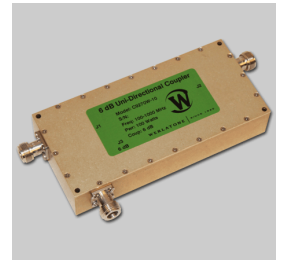
Werlatone® Broadband Dual, Uni, and Bi Directional RF Couplers are designed to tolerate the most stringent operating conditions associated with military and EMC testing environments. Many of our RF Directional Couplers, designated Mismatch Tolerant®, will operate continuously, at rated power, into a severe load mismatch condition. Our multi-octave Directional Couplers maintain exceptional coupling flatness, directivity, VSWR, and insertion loss.



WERLATONE

Model C9270W

Connectorized Directional Couplers

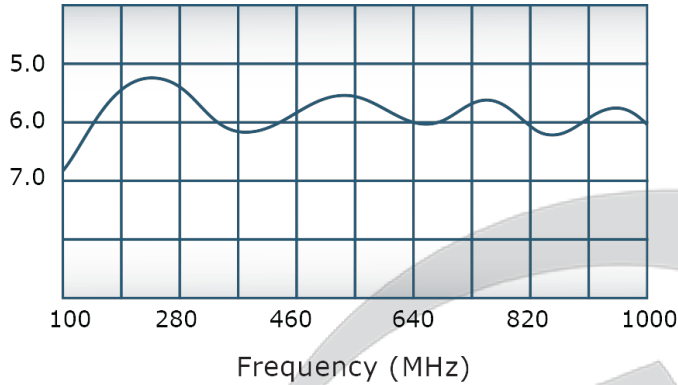


PRODUCT DATA SHEET

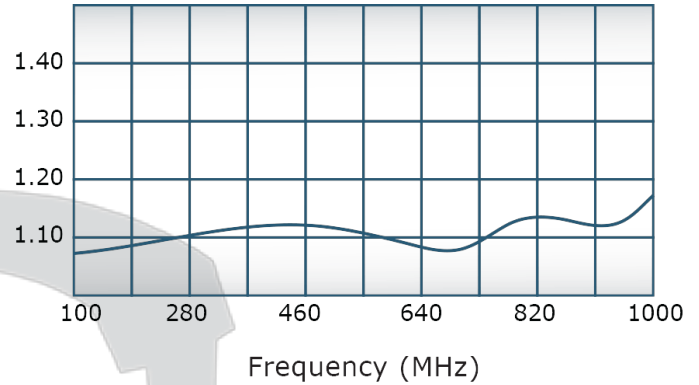
C9270W

Performance Data (Specifications subject to change without notice):

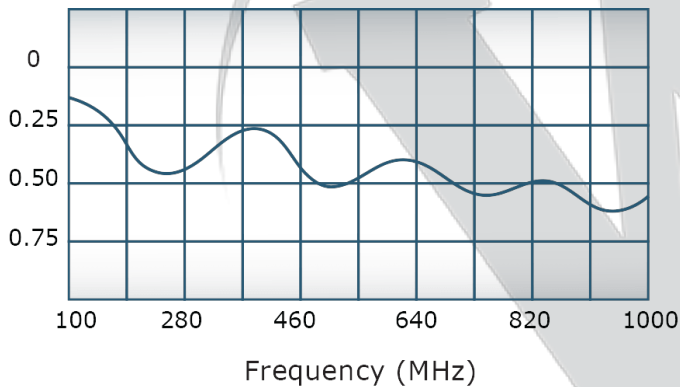
Coupling:



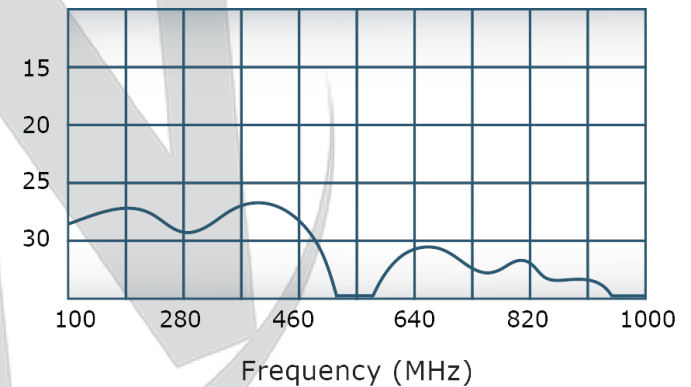
VSWR:



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.

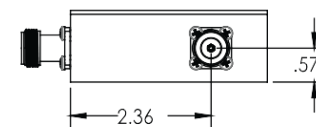
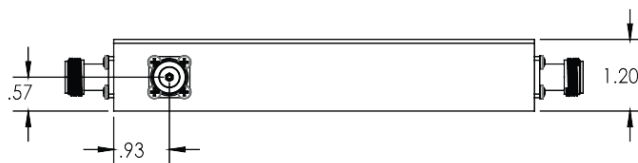
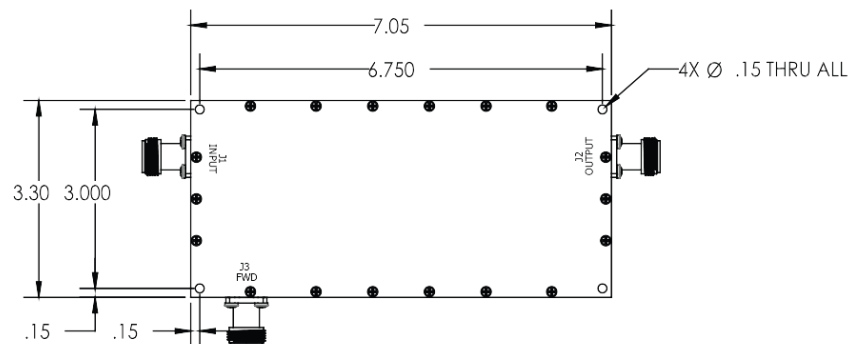
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

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: 5678	6/7/2012	SC



		UNLESS OTHERWISE SPECIFIED		OWN	DATE	 WERLATONE SINCE 1965		17 Jon Barrett Rd Patterson, NY 12563	
		• INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-883C		SC	6/7/2012				
		• DIMENSIONING PER ASME Y14.5M-2009		CHK	DATE	TITLE			
		• DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		NH	6/7/2012				
		• DIMENSIONS ARE IN INCHES		ENGR	DATE	C9270W-10B			
		• DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		DATE	6/7/2012				
		• TOLERANCES:		BW	DATE	SIZE CAGE CODE DWG NO		REV	
		ANGLES ± 2°		DATE	6/7/2012				
		3 PL ± .005		QA	DATE	B 28812 20864-500		SCALE	
		2 PL ± .015		DATE	6/7/2012				
		• REMOVE ALL BURRS AND SHARP EDGES R.01 MAX		ELSE	DATE	1:2		SHEET 1 OF 1	
		• CONCENTRICITY MACHINED DIA. .002 FIM		DATE	6/7/2012				
		• MACHINE TOOL MACHINING .003 MAX							
C9270W-10B		THIRD ANGLE PROJECTION 							
NEXT ASSY USED ON									
APPLICATION									

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