
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

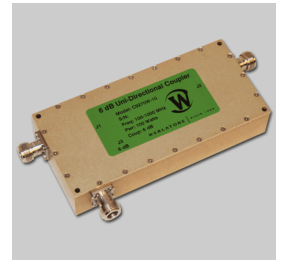
Port Configurations:

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.

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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

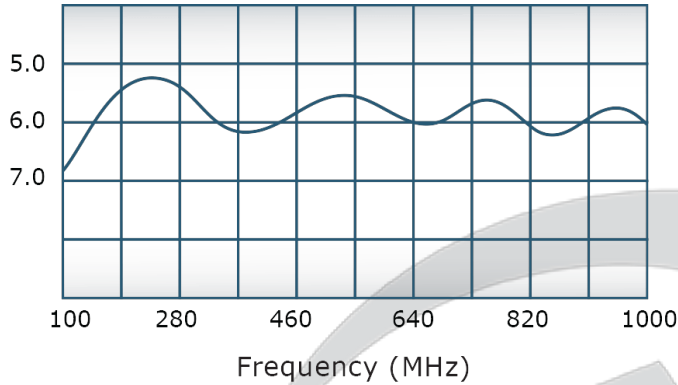


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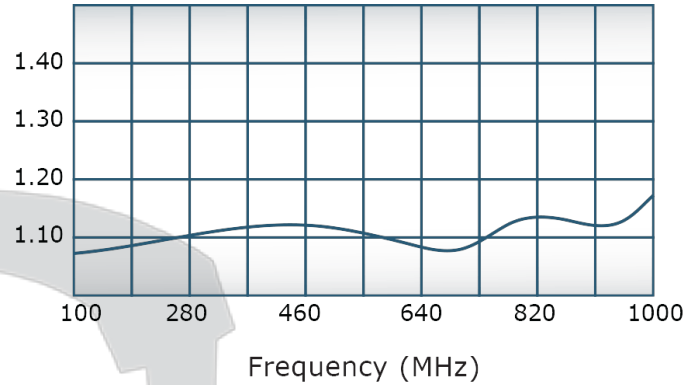
C9270W

Performance Data (Specifications subject to change without notice):

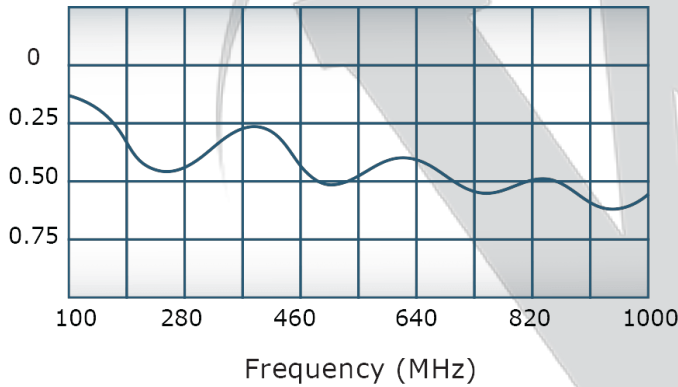
Coupling:



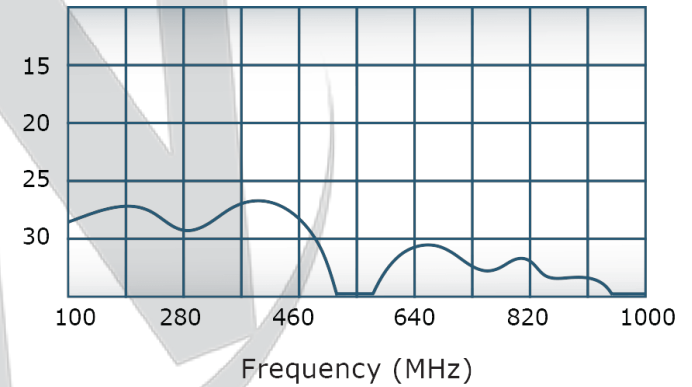
VSWR:



Insertion Loss:



Directivity:

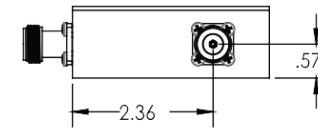
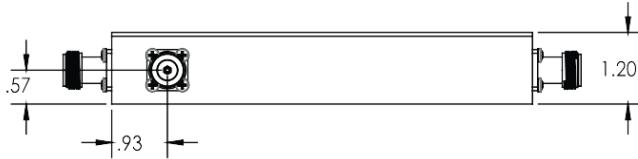
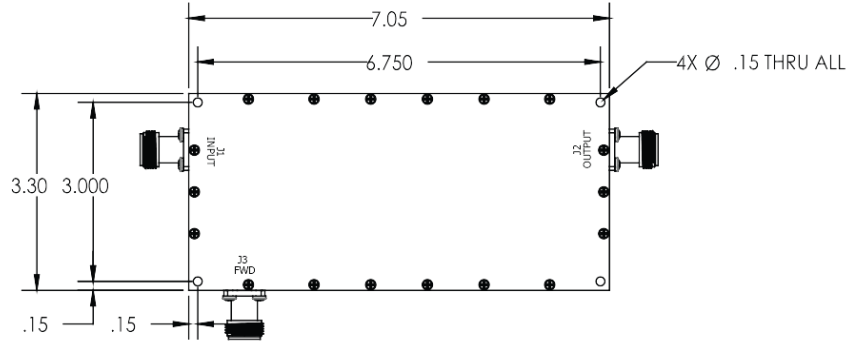


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REVISIONS			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN: 5678	6/7/2012	SC



UNLESS OTHERWISE SPECIFIED		OWN	DATE	WERLATONE SINCE 1965 17 Jon Barrett Rd Patterson, NY 12563
<ul style="list-style-type: none"> • INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-883C • DIMENSIONING PER ASME Y14.5M-2009 • PARENTETICAL INFO FOR REF ONLY • DIMENSIONS ARE IN INCHES • DIMENSIONAL LIMITS APPLY BEFORE PROCESSES • TOLERANCES: <ul style="list-style-type: none"> ANGLES ± .2° 2 PL ± .015 3 PL ± .005 • REMOVE ALL BURRS AND SHARP EDGES R.01 MAX • CONCENTRICITY MACHINED DIA. .002 FIM • MACHINE TOOL MISMATCH: .003 MAX 		CHK	DATE	
C9270W-10B		ENGR	DATE	TITLE
NEXT ASSY USED ON		MPQR	DATE	C9270W-10B
APPLICATION		QA	DATE	SIZE CAGE CODE DWG NO
THIRD ANGLE PROJECTION		RLSE	DATE	B 28812 20864-500
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