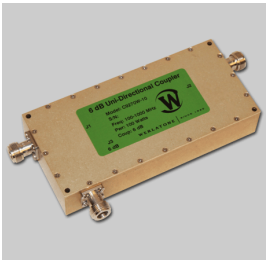
WERLATONE

Model C9270W
Connectorized Directional Couplers



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:

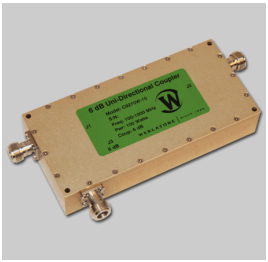
Type:	Connectorized
Material:	Aluminum 6061-T6
Surface Finish:	Chem. Film Per MIL-DTL-5541F Type I Class 3 (Yellow Iridite), Black Epoxy Paint/White Epoxy Lettering RoHS Compliant Available
Operating Temperature:	-55°C to +75°C
Storage Temperature:	-60°C to +85°C
Humidity:	100% Condensing
Size:	7.05 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

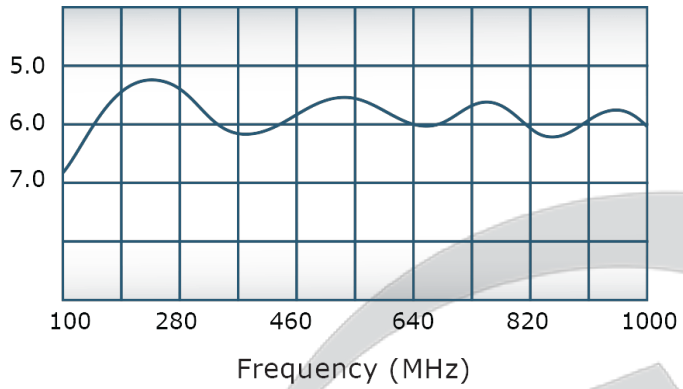
Werlatone® Broadband Dual, Uni, and Bi Directional RF Couplers are designed to tolerate the most stringent operating conditions associated with military and EMC testing environments. Many of our RF Directional Couplers, designated Mismatch Tolerant®, will operate continuously, at rated power, into a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

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

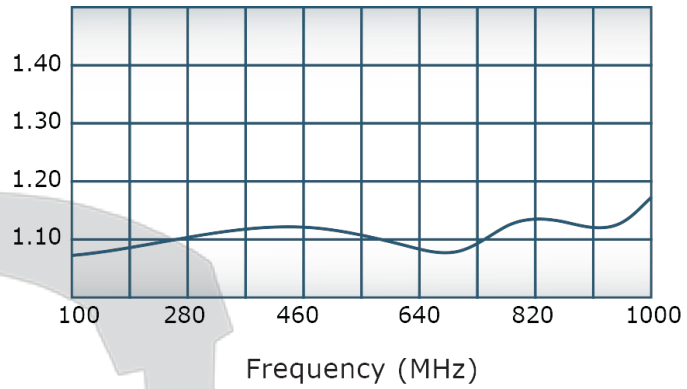


Performance Data (Specifications subject to change without notice):

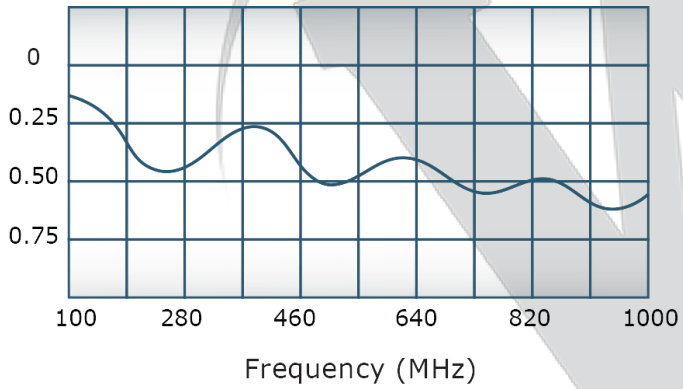
Coupling:



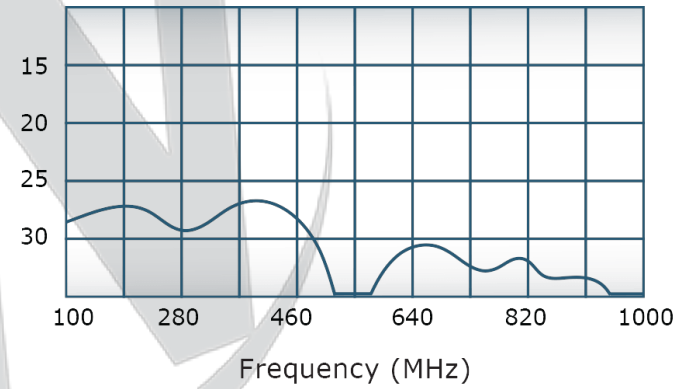
VSWR:



Insertion Loss:



Directivity:



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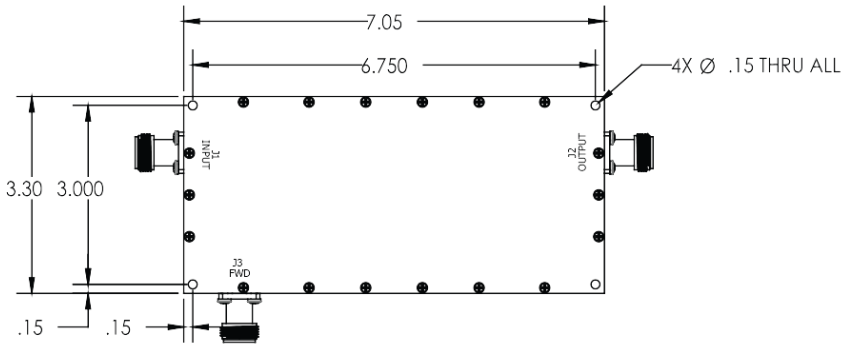
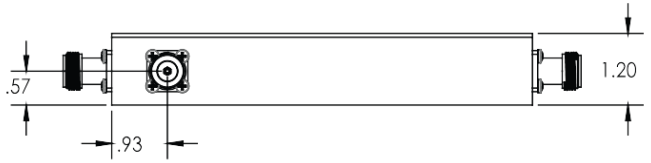
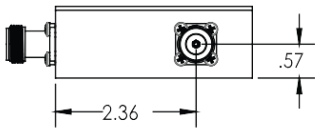
REVISIONS			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN: 5678	6/7/2012	SC







	C9270W-10B
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
- INTERPRET DRAWING IAW MIL-STD-100
- DIMENSIONING PER ASME Y14.5M-2009
- PARENTHETICAL INFO FOR REF ONLY
- DIMENSIONS ARE IN INCHES
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- TOLERANCES:
  ANGLES ± 2°
  2 PL ± .005
  2 PL ± .015
- REMOVE ALL BURRS AND SHARP EDGES R.01 MAX
- CONCENTRICITY MACHINED DIA. .002 FIM
- MACHINE TOOL MISMATCH .003 MAX

THIRD ANGLE PROJECTION

DWN	SC	6/7/2012
CHK	NH	6/7/2012
ENGR	BW	6/7/2012
MFGR		
QA		
RLSE		

WERLATONE SINCE 1965

17 Jon Barrett Rd
Patterson, NY 12563

TITLE: C9270W-10B

SIZE	CAGE CODE	DWG NO	REV
B	28812	20864-500	A

SCALE 1:2 SHEET 1 OF 1