Model C9271W
Connectorized Directional Couplers

PRODUCT DATA SHEET **C9271W**

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.

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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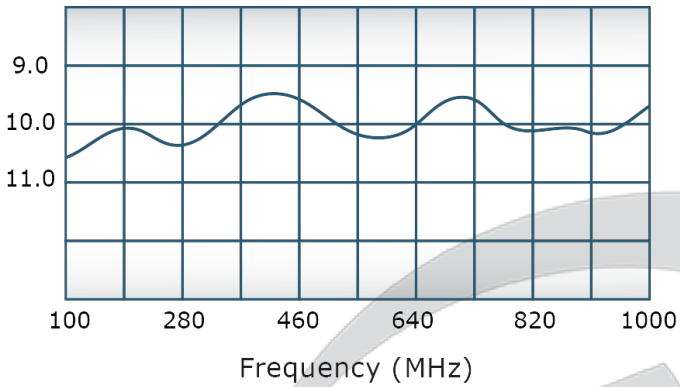
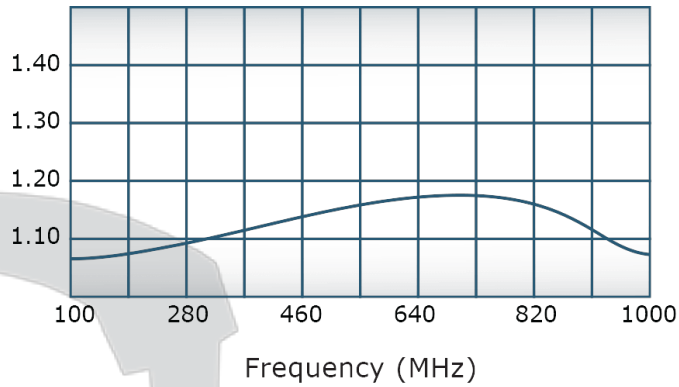
Performance Data (Specifications subject to change without notice):

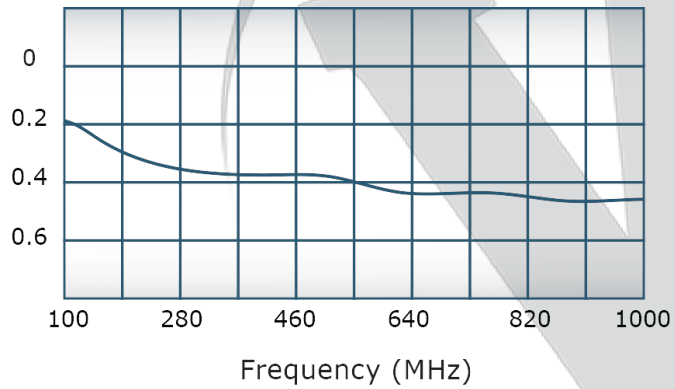
Coupling:



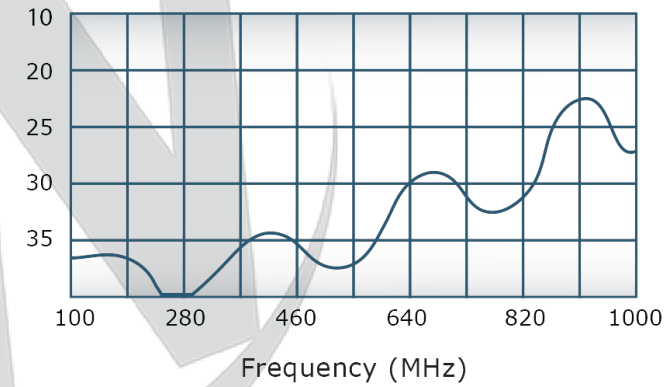
VSWR:



Insertion Loss:



Directivity:



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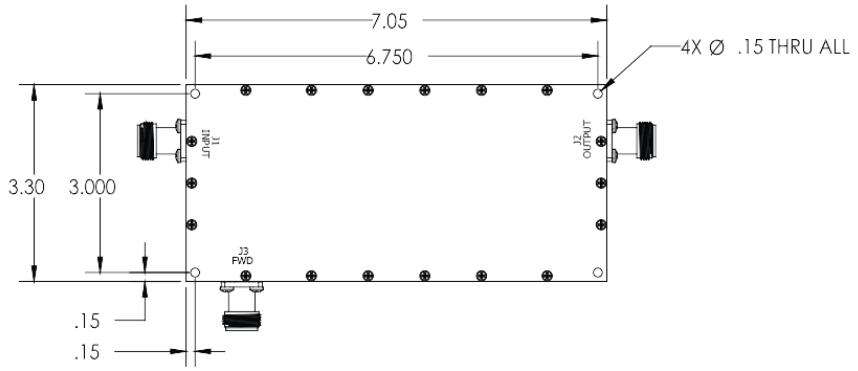
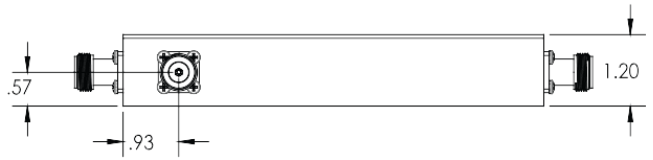
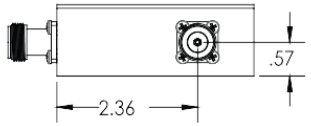
REVISIONS			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN: 5677	6/7/2012	SC







	C9271W-10B
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
- INTERPRET DRAWING USW 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° | 3 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

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

WERLATONE SINCE 1965

17 Jon Barrett Rd
Patterson, NY 12563

TITLE

C9271W-10B

SIZE	CAGE CODE	DWG NO	REV
B	28812	20865-500	A

SCALE 1:2 SHEET 1 OF 1

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