
PRODUCT DATA SHEET
C5960

4-Port Dual Directional Coupler employs two, 3-Port Uni-Directional Couplers, internally connected, in tandem, providing measurement of both forward and reverse power. Ideal for simultaneously monitoring a system's forward and reverse power and for reflectometer measurements. Unlike the Bi-Directional Coupler, the directivity of the Dual Directional Coupler is unaffected by the loads on the coupled ports.

Features:

High Power Wide Bandwidths Small Size Flat Coupling Custom Designs Available

Electrical Specifications:

Frequency: 0.01 - 250 MHz
Power: 1000 W CW
Coupling: 50 ± 1.0 dB Max.
Insertion Loss: 0.4 dB Max.
Flatness: ± 0.75 dB Max.
VSWR (ML): 1.25:1 Max.
Directivity: 20 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: 95% Non-Condensing
Size: 10.5 x 3.0 x 2.0"

Connector Configurations:

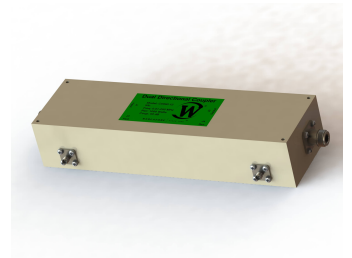
Model	Input (J1)	Output (J2)	Fwd (J3)	Rev (J4)
C5960-10	N Female	N Female	N Female	N Female
C5960-12	N Female	N Female	SMA	SMA
C5960-13	N Female	N Female	BNC	BNC
C5960-20	7/16 Female	7/16 Female	N Female	N Female
C5960-41	SC Female	SC Female	N Female	N Female
C5960-43	SC Female	SC Female	SMA	SMA
C5960-610	N Female	N Male	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.



WERLATONE

Model C5960

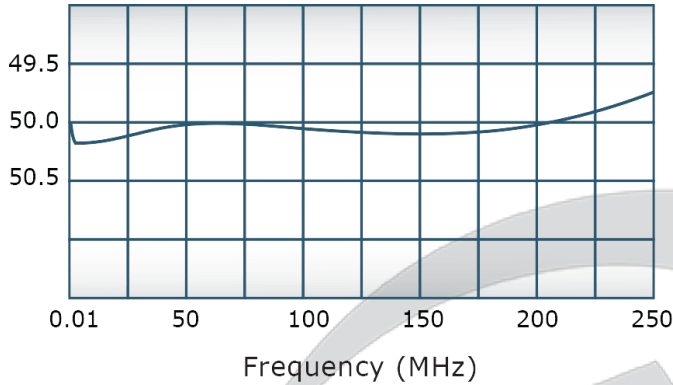


PRODUCT DATA SHEET

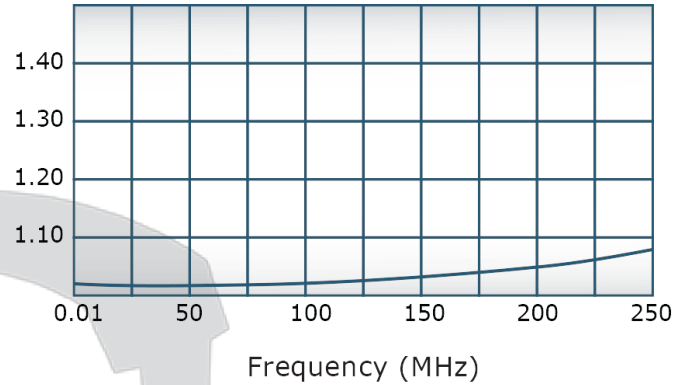
C5960

Performance Data (Specifications subject to change without notice):

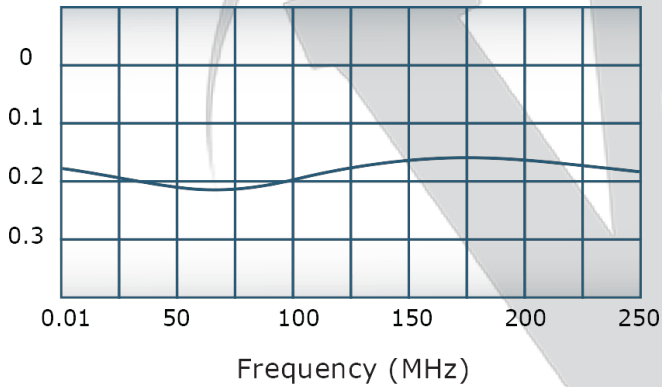
Coupling:



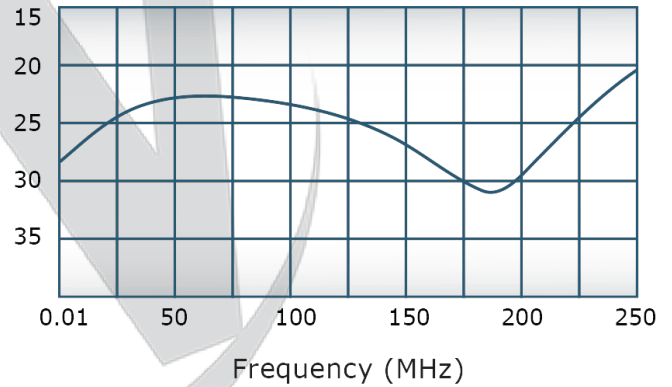
VSWR:



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.

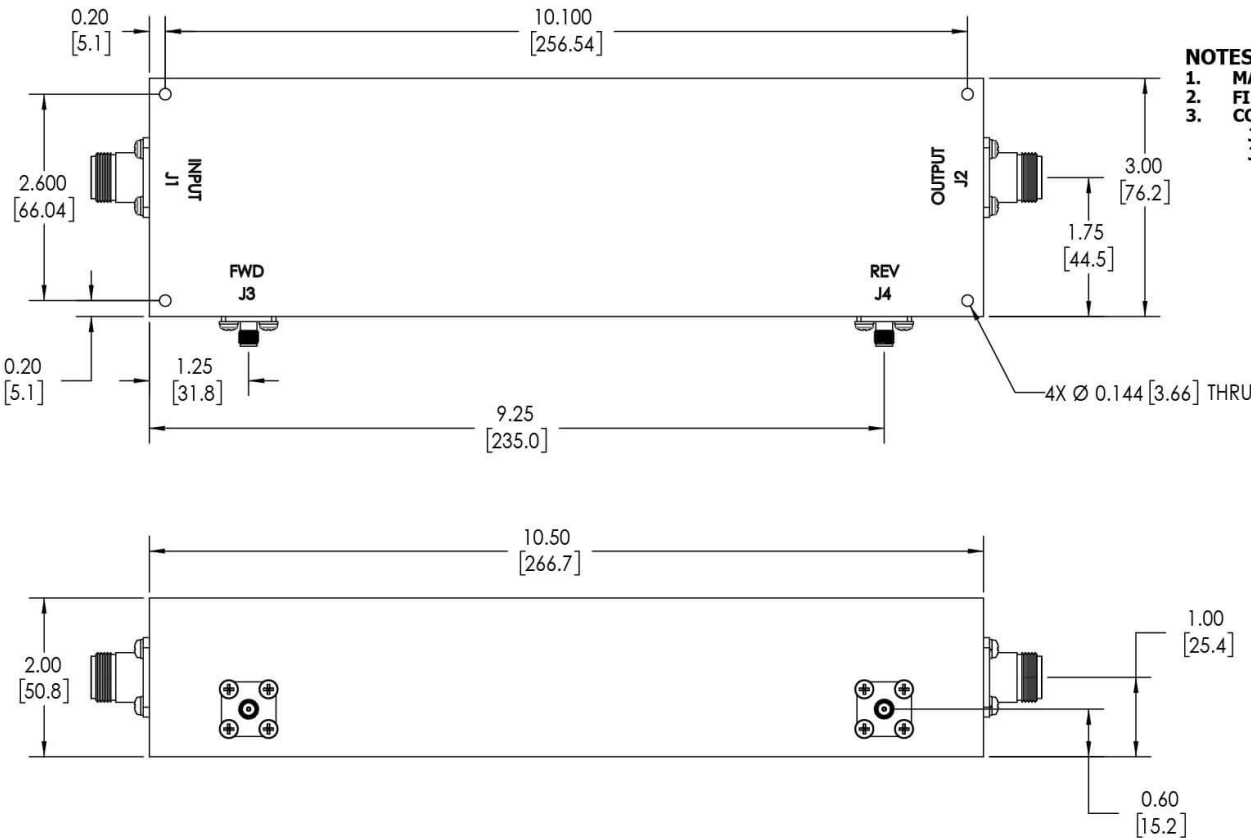
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com



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

REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	5/13/2019	RB

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL: ALUMINUM 6061-T6**
- FINISH: CHEM FILM PER MIL-DTL-5541F TYPE I CLASS 3 (YELLOW IRIDITE)**
- CONNECTORS:**
J1-J2: N FEMALE
J3-J4: SMA FEMALE



		UNLESS OTHERWISE SPECIFIED		DOWN	DATE	 WERLATONE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563		
		INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100		SD	5/13/2019				
		DIMENSIONS FOR ASME Y14.5M-2009		CHK	DATE				
		PARENTHESES INFO FOR REF ONLY		CS	5/13/2019		TITLE		
		DIMENSIONS ARE IN INCHES		ENGR	DATE				
		DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		INFR	DATE	OUTLINE			
		TOLERANCES:		QA	DATE				
		ANGLES ± 2°				SIZE	CAGE CODE	DWG NO	REV
		3 PL ± .005 [13]				B		10449-501	A
		2 PL ± .015 [38]				SCALE	1:1.5		
		REMOVE ALL BURRS AND SHARP EDGES R.01 MAX							
		CONCENTRICITY MACHINED DIA. .002 FIM							
		MACHINE TOOL MISMATCH .003 MAX							
NEXT ASSY USED ON		THIRD ANGLE PROJECTION		RLSE	DATE				
APPLICATION									
				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