

PRODUCT DATA SHEET

C6600

4-Port Bi-Directional Coupler: Similar to the 3-Port Uni-Directional Coupler, except that both ends of the coupled line serve as coupled ports. Convenient for simultaneously monitoring both forward and reverse power. The directivity of this coupler design is, however, dependent upon well matched 50 Ohm loads on the coupled ports.

Features:

High Power Wide Bandwidths Small Size Flat Coupling Custom Designs Available

Electrical Specifications:

Frequency: 200 - 2000 MHz
Power: 200 W CW
Coupling: 20 ± 1.0 dB Max.
Insertion Loss: 0.25 dB Max.
Flatness: ± 1.2 dB Max.
VSWR (ML): 1.25:1 Max.
Directivity: 18 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: 4.0 x 2.0 x 0.72"

Connector Configurations:

Model	Input (J1)	Output (J2)	Fwd (J3)	Rev (J4)
C6600-10	N Female	N Female	N Female	N Female
C6600-12	N Female	N Female	SMA	SMA
C6600-102	SMA	SMA	SMA	SMA

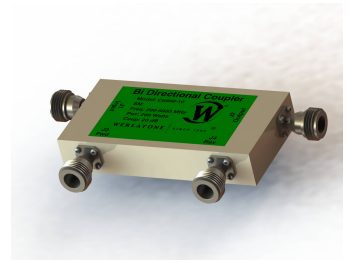
Werlatone® Broadband Dual, Uni, and Bi Directional RF Couplers are designed to tolerate the most stringent operating conditions associated with military and EMC testing environments. Many of our RF Directional Couplers, designated Mismatch Tolerant®, will operate continuously, at rated power, into a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



WERLATONE

Model C6600

Connectorized Directional Couplers

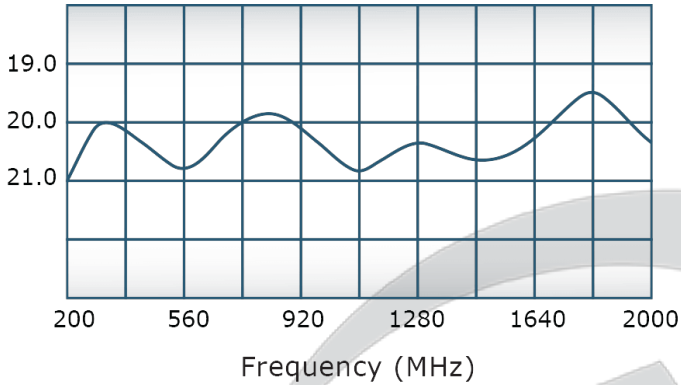


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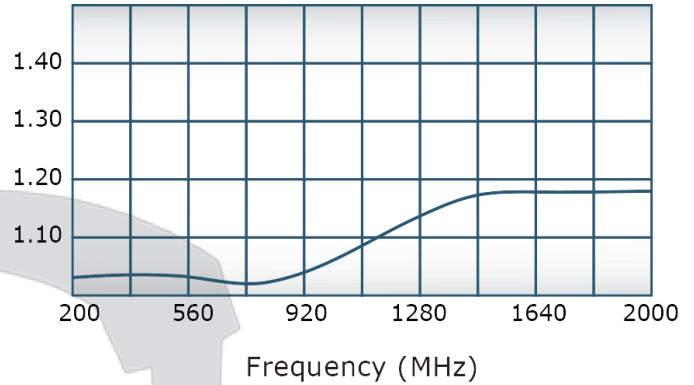
C6600

Performance Data (Specifications subject to change without notice):

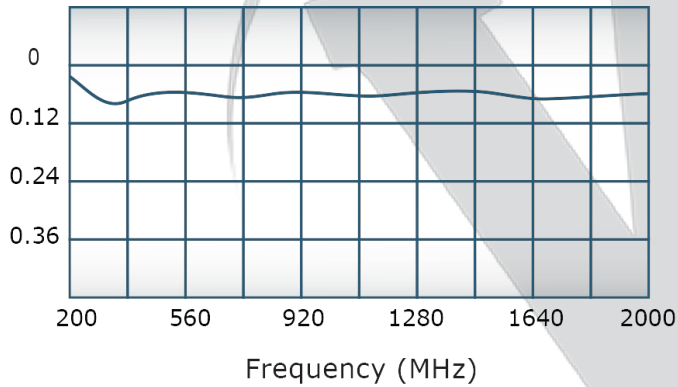
Coupling:



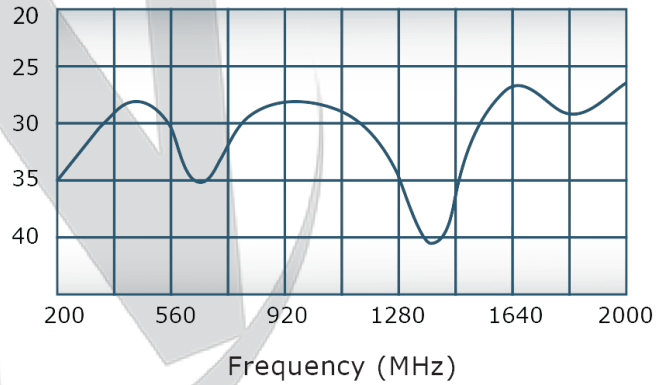
VSWR:



Insertion Loss:



Directivity:



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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

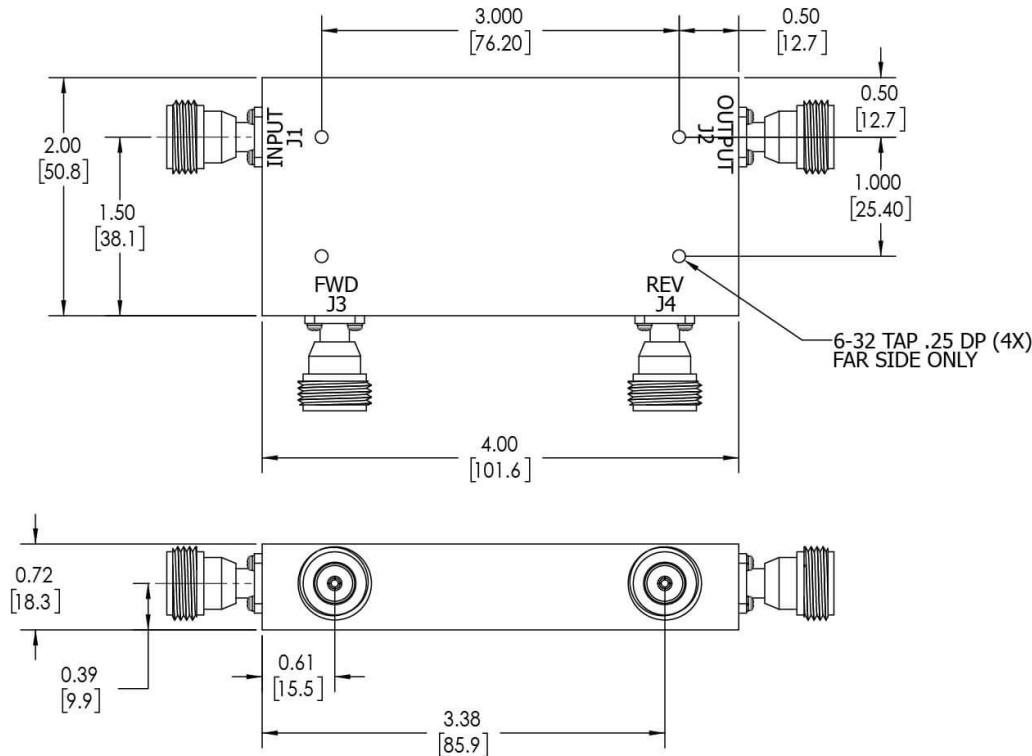
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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	8/22/2019	RB

NOTES: UNLESS OTHERWISE SPECIFIED

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

6-32 TAP .25 DP (4X)
FAR SIDE ONLY



UNLESS OTHERWISE SPECIFIED				OWN	DATE	 WERLATONE SINCE 1965		17 Jon Barrett Rd Patterson, NY 12563	
INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100				SD	8/22/2019				
DIMENSIONS PER ASME Y14.5-2009				CHK	DATE	TITLE			
DIMENSIONAL INFO FOR FILE ONLY				CS	8/22/2019				
DIMENSIONS ARE IN INCHES				ENGR	DATE				
DIMENSIONAL LIMITS APPLY BEFORE PROCESSES				INFR	DATE	OUTLINE			
TOLERANCES:				QA	DATE				
ANGLES ± 2°				RLSE	DATE				
3 PL ± .005 [13]						SIZE	CAGE CODE	DWG NO	REV
2 PL ± .015 [38]								10907-500	A
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		SCALE		SHEET 1 OF 1	
APPLICATION						4:1			

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