
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.

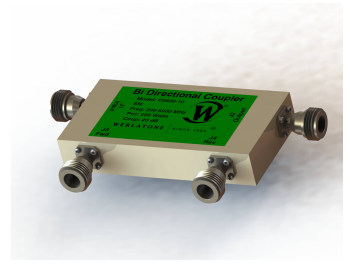
Mechanical Specifications:

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.

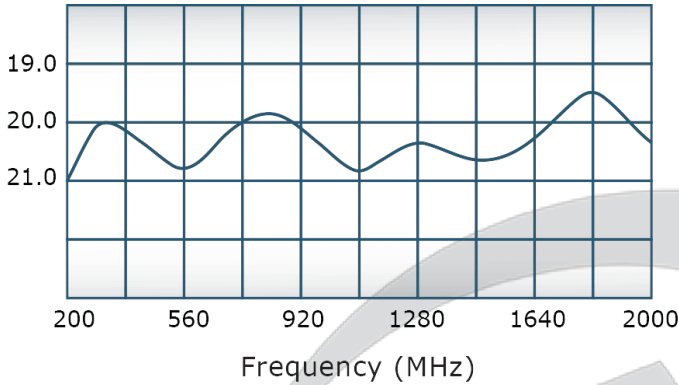


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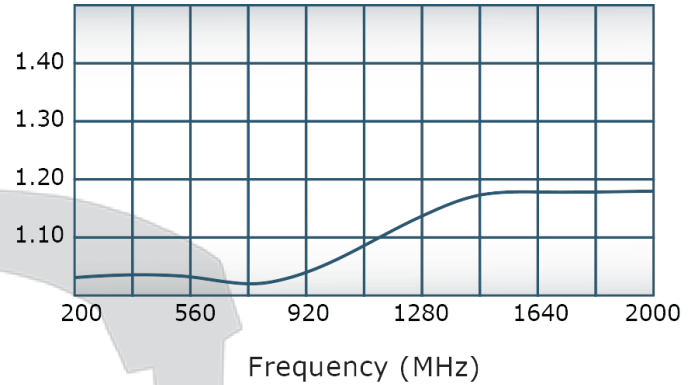
C6600

Performance Data (Specifications subject to change without notice):

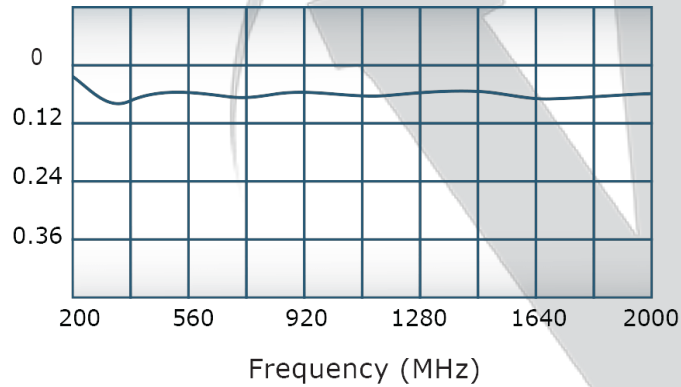
Coupling:



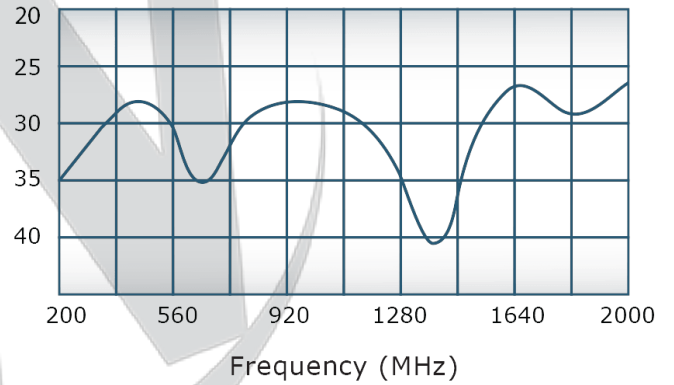
VSWR:



Insertion Loss:



Directivity:



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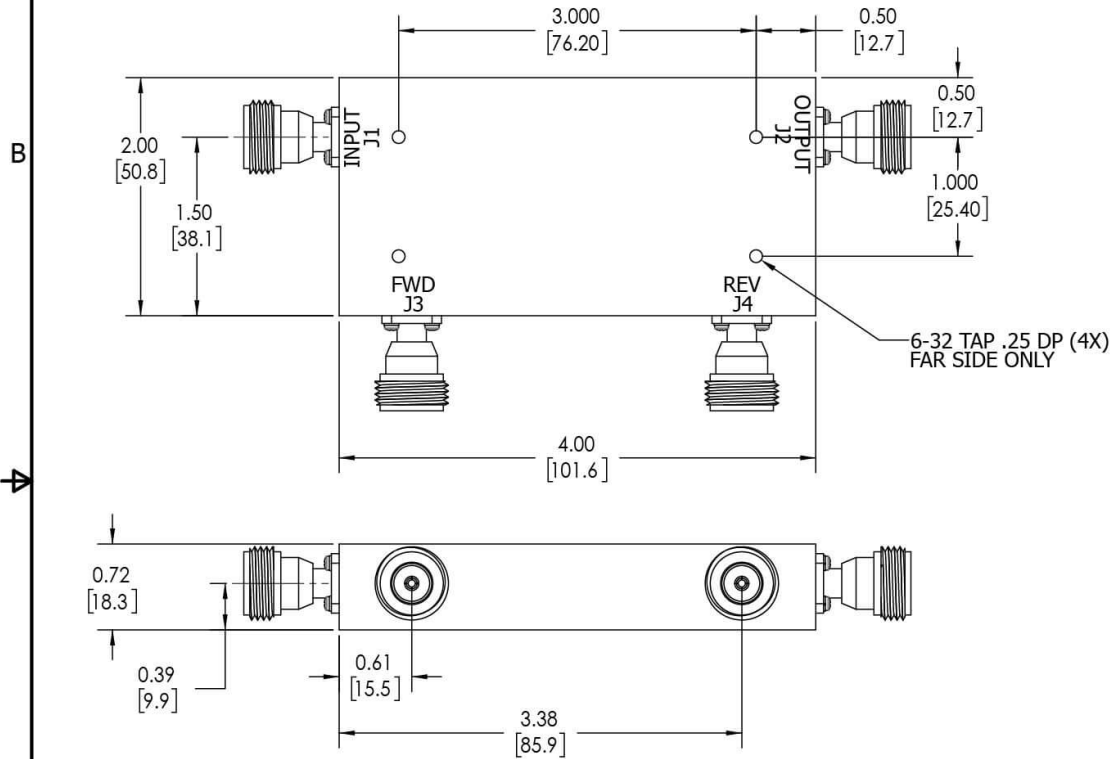
Werlatone, Inc.

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

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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**

UNLESS OTHERWISE SPECIFIED		DATE	8/22/2019	WERLATONE SINCE 1965 17 Jon Barrett Rd Patterson, NY 12563			
INTERRUPT DRAWING IAW MIL-STD-100	SD	DATE	8/22/2019				
DIMENSIONS PER ASME Y14.5M-2009	CHK	DATE	8/22/2019	OUTLINE TITLE			
PARENTHEetical INFO FOR REF ONLY	CS	DATE	8/22/2019				
DIMENSIONS ARE IN INCHES	ENGR	DATE		SIZE	CAGE CODE	DWG NO	REV
DIMENSIONAL LIMITS APPLY BEFORE PROCESSES	INFR	DATE		B		10907-500	A
TOLERANCES:	QA	DATE		SCALE	1:1		SHEET 1 OF 1
ANGLES ± 2°	RLSE	DATE					
3 PL ± .005 [13]							
2 PL ± .015 [38]							
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX							
CONCENTRICITY MACHINED DIA: .002 FIM							
MACHINE TOOL MISMATCH .003 MAX							
NEXT ASSY	USED ON						
APPLICATION	THIRD ANGLE PROJECTION						

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