
**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.

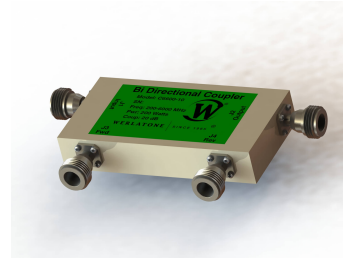
**Mechanical Specifications:**

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.

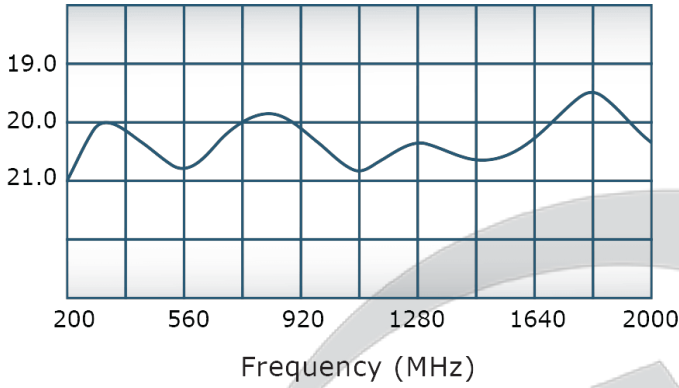


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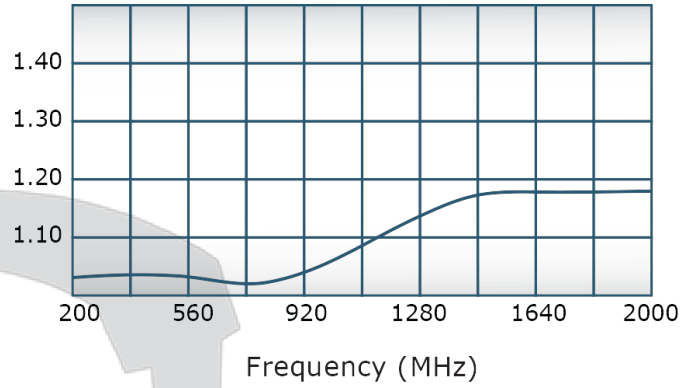
C6600

### Performance Data (Specifications subject to change without notice):

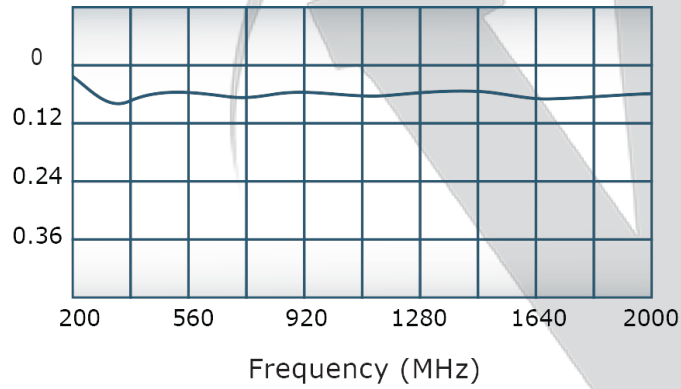
Coupling:



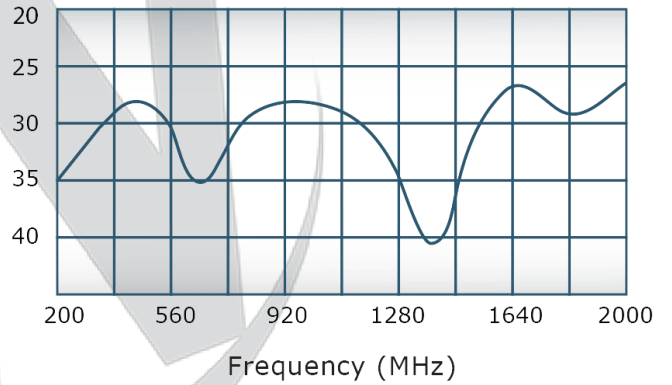
VSWR:



Insertion Loss:



Directivity:



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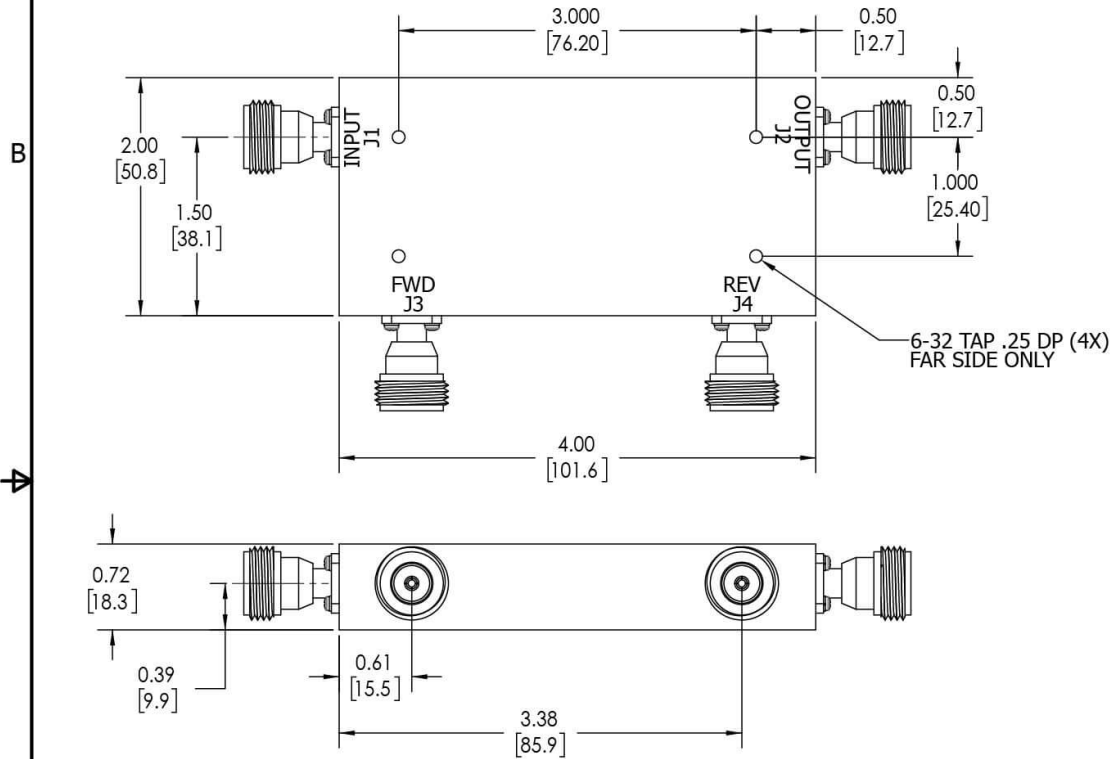
Werlatone, Inc.

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

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