

## 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:  $20 \pm 1.0$  dB Max.  
Insertion Loss: 0.25 dB Max.  
Flatness:  $\pm 1.2$  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

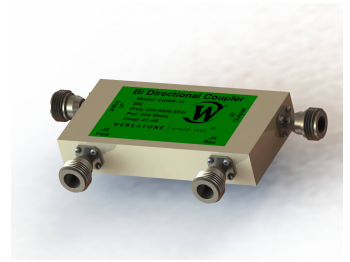
**Werlatone®** Broadband Dual, Uni, and Bi Directional RF Couplers are designed to tolerate the most stringent operating conditions associated with military and EMC testing environments. Many of our RF Directional Couplers, designated Mismatch Tolerant®, will operate continuously, at rated power, into 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

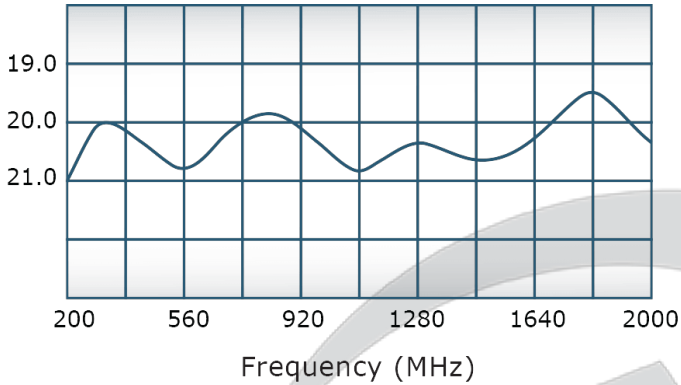


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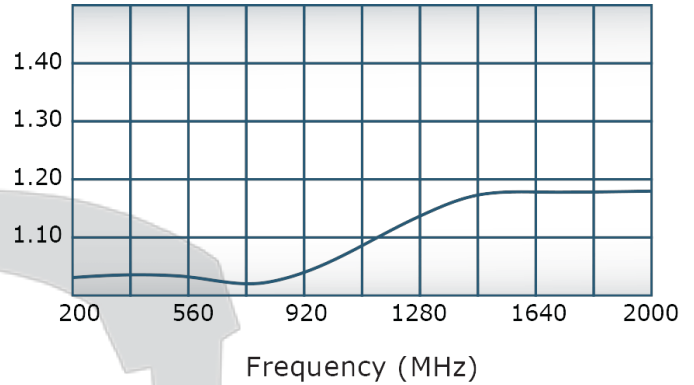
C6600

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

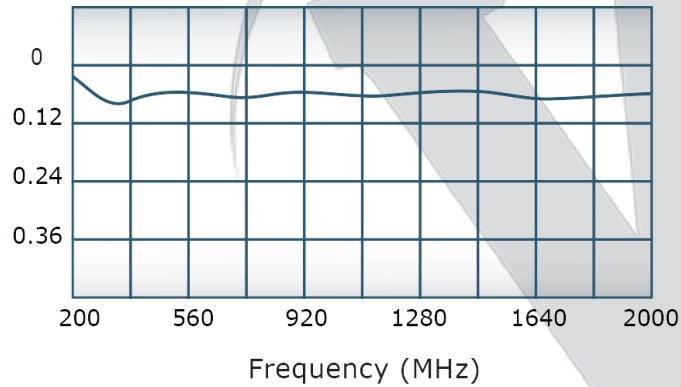
Coupling:



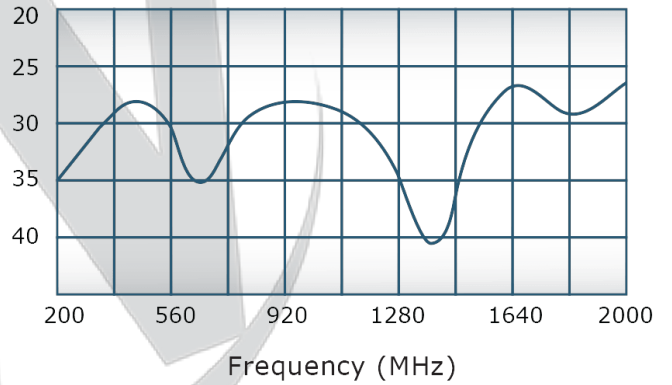
VSWR:



Insertion Loss:



Directivity:



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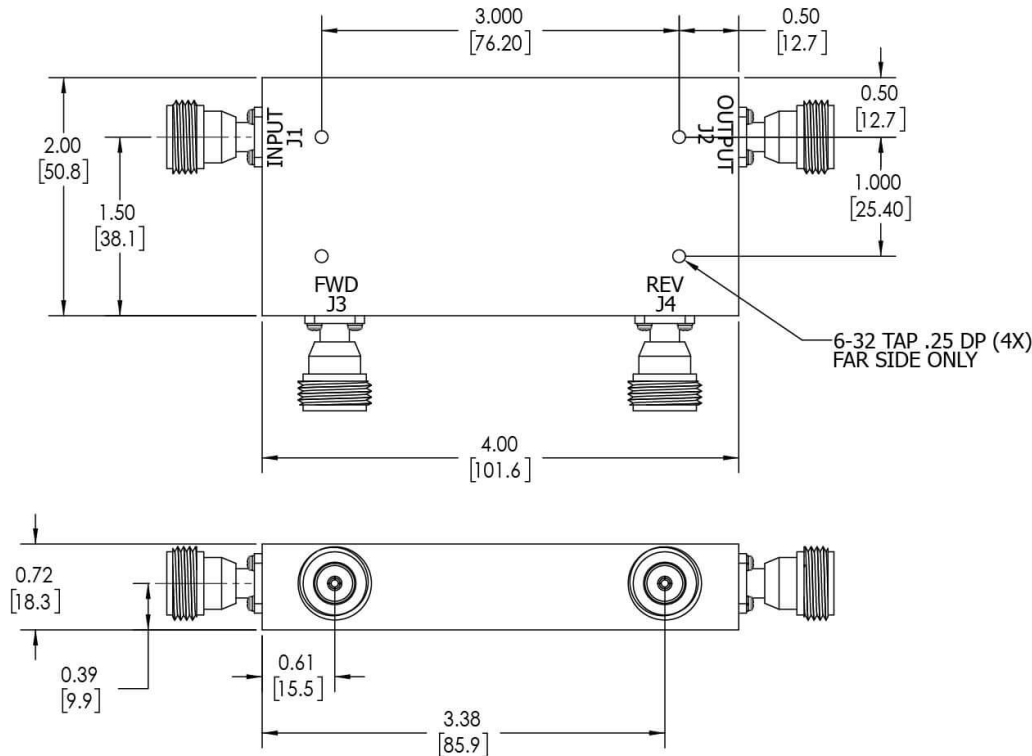
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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	8/22/2019	RB

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

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