
**PRODUCT DATA SHEET**
**C8483**

**3-Port Uni-Directional Coupler:** Consists of a main line and a coupled line. One end of the coupled line is internally terminated, while the other end serves as a coupled port. Ideal for sampling and monitoring power in one direction at a given time. It is necessary to physically reverse the orientation of the unit to change from a forward to a reverse power measurement.

**Features:**

High Power      Wide Bandwidths      Small Size      Flat Coupling      Custom Designs Available

**Electrical Specifications:**

Frequency: 2 - 32 MHz  
Power: 500 W CW  
Coupling:  $10 \pm 1.0$  dB Max.  
Insertion Loss: 0.3 dB Max.  
Flatness:  $\pm 0.5$  dB Max.  
VSWR (ML): 1.30:1 Max.  
Directivity: 20 dB Min.

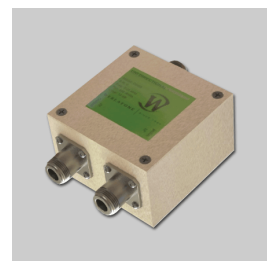
**Mechanical Specifications:**

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: 3.0 x 3.0 x 1.88"

**Connector Configurations:**

Model	Input (J1)	Output (J2)	Fwd (J3)
C8483-10	N Female	N Female	N Female
C8483-12	N Female	N Female	SMA
C8483-200	BNC	BNC	BNC

**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.

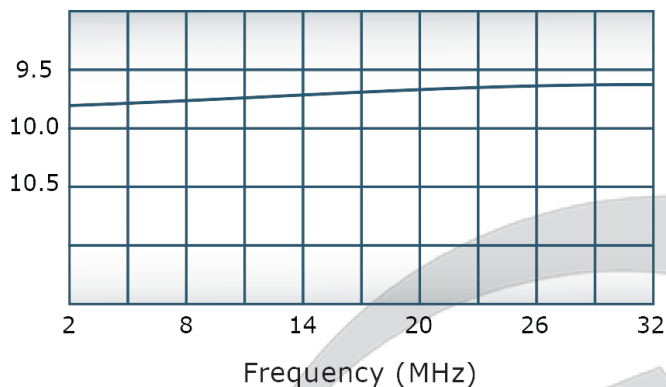


## PRODUCT DATA SHEET

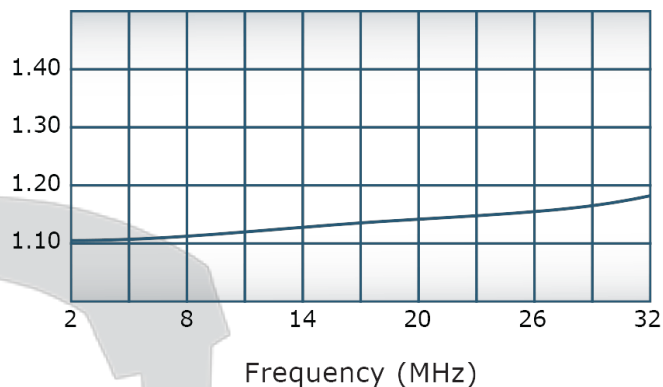
C8483

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

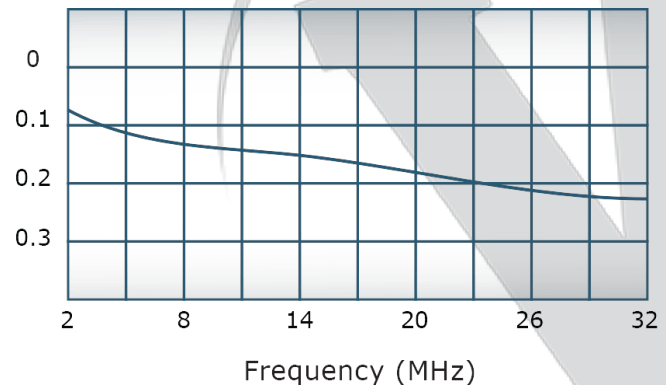
Coupling:



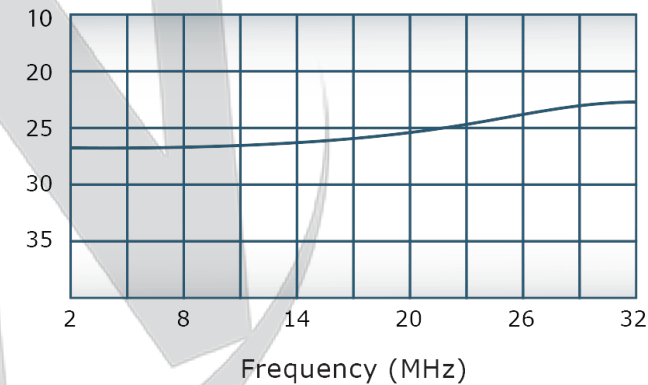
VSWR:



Insertion Loss:



Directivity:

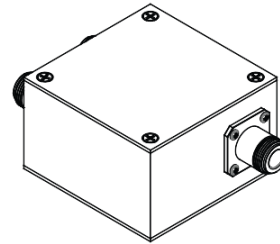
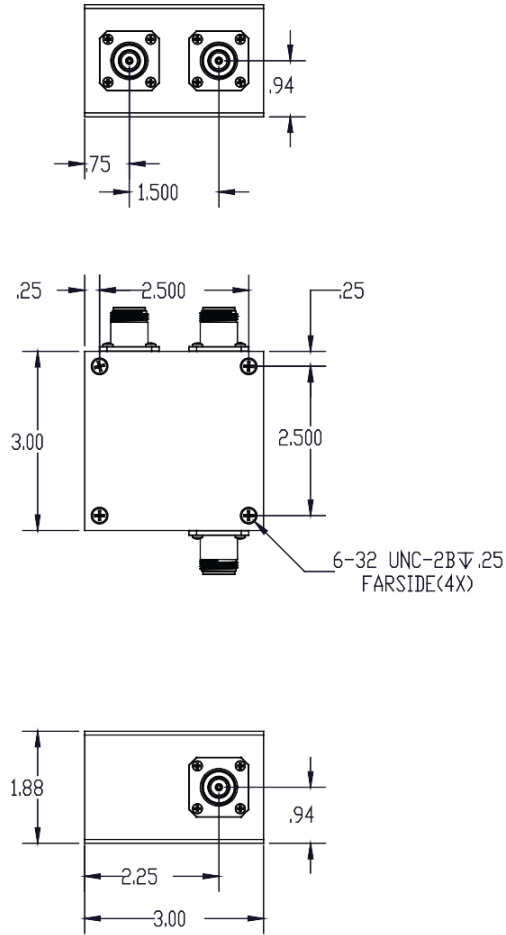




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REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	INITIAL RELEASE	11/23/2011	



		UNLESS OTHERWISE SPECIFIED		DWN	SC	DATE	12/16/2011	 WERLATONE I SINCE 1965		17 Jon Barrett Rd Patterson, NY 12563	
		1 INTERPRET DRAWING BY MIL-STD-883C		CHK		DATE		TITLE			
		2 DIMENSIONS PER ASME Y14.5M-2009		ENGR		DATE		OUTLINE			
		3 DIMENSIONAL DATA FOR REF ONLY		DRFR		DATE		SIZE		CAGE CODE DWG NO	
		4 DIMENSIONS ARE IN INCHES		QA		DATE		B 28812		20577-500	
		5 DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		RLSE		DATE		SCALE		1	
		6 TOLERANCES/ANGLES ± .01		THIRD ANGLE PROJECTION				1e		SHEET 1 OF 1	
		7 2 PL ± .005									
		8 REMOVE ALL BURRS AND SHARP EDGES RISE MAX									
		9 CONCENTRICITY MACHINES TO .005 AND FIM									
		10 MACHINE TOOL MISMATCH .005 MAX									
NEXT ASSY		USED IN									
APPLICATION											