

## 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.

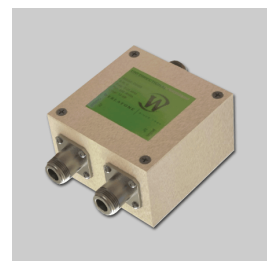
### Mechanical Specifications:

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.

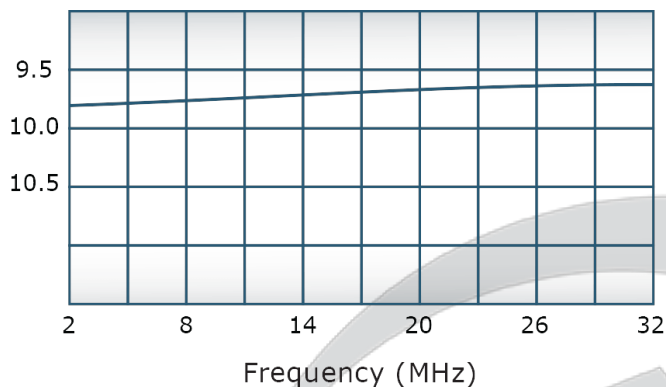


## PRODUCT DATA SHEET

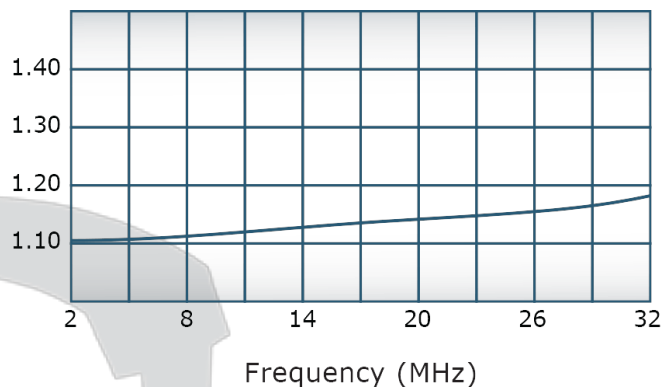
C8483

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

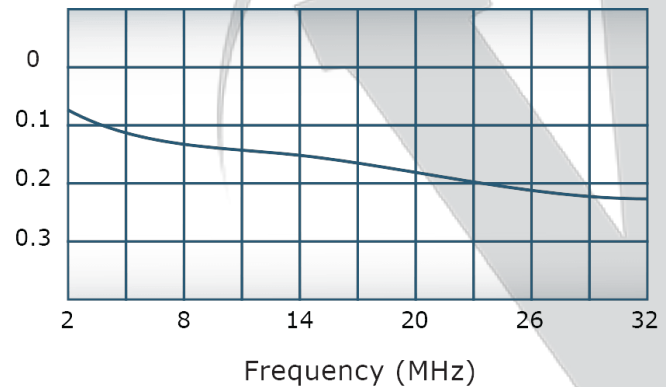
Coupling:



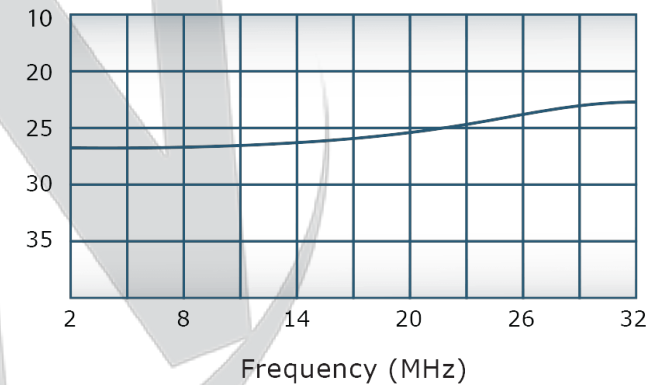
VSWR:



Insertion Loss:



Directivity:

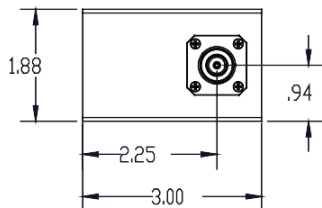
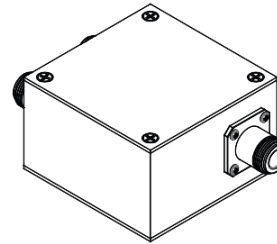
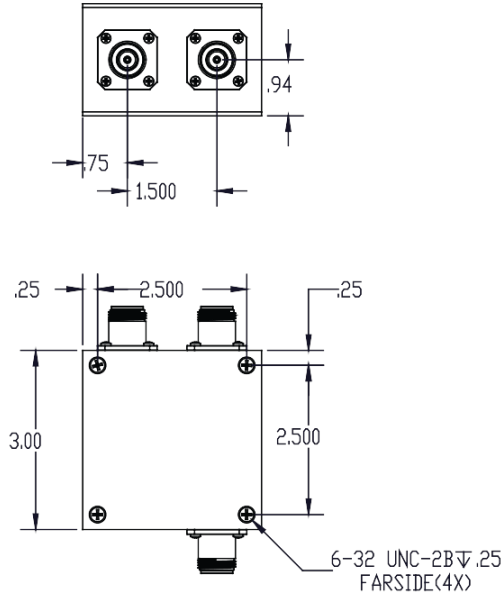


**Restriction on use, duplication, or disclosure of proprietary information.** This document contains proprietary information which is the sole property of Werlatone, Inc.

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

RESTRICTION ON USE, DUPLICATION OR  
DISCLOSURE OF PROPRIETARY INFORMATION  
This document contains proprietary information  
which is the sole property of Werlatone, Inc.

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



UNLESS OTHERWISE SPECIFIED 1 INTERCEPT DRAWING DAY ME-STD-300 2 INTERCEPT PER ASME-STD-300 3 MANUFACTURING DATA PER ASME-STD-300 4 DIMENSIONS ARE IN INCHES 5 DIMENSIONS UNLESS OTHERWISE SPECIFIED 6 TOLERANCES UNLESS OTHERWISE SPECIFIED 7 TYPICAL ANGLES 8 R. 1/8" & 1/4" 9 REMOVE ALL BURRS AND SHARP EDGES PER ASME-STD-300 10 CONCENTRICITY PER ASME-STD-300 11 MACHINE TOOL REWORK PER ASME-STD-300		DATE 12/16/2011 SC CHK DATE ENR DATE APR DATE MAY DATE JUN DATE JUL DATE AUG DATE SEP DATE OCT DATE NOV DATE DEC DATE		VERLATORNE 1 SINCE 1965 TITLE OUTLINE SIZE 11 DATE CODE 20577-500 SCALE 1/2" = 1"		17 Jon Borrett Rd Patterson, NY 12568 REV - SHEET 1 of 1	
		NEXT ASSY USED IN APPLICATION		THIRD ANGLE PROJECTION		C8483 USED IN APPLICATION	

**Restriction on use, duplication, or disclosure of proprietary information.** This document contains proprietary information which is the sole property of 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