
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 ± 1.0 dB Max.
 Insertion Loss: 0.3 dB Max.
 Flatness: ± 0.5 dB Max.
 VSWR (ML): 1.30:1 Max.
 Directivity: 20 dB Min.

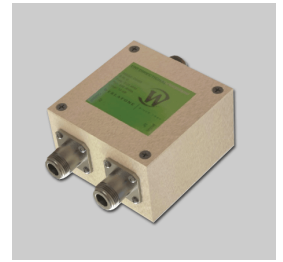
Mechanical Specifications:

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.

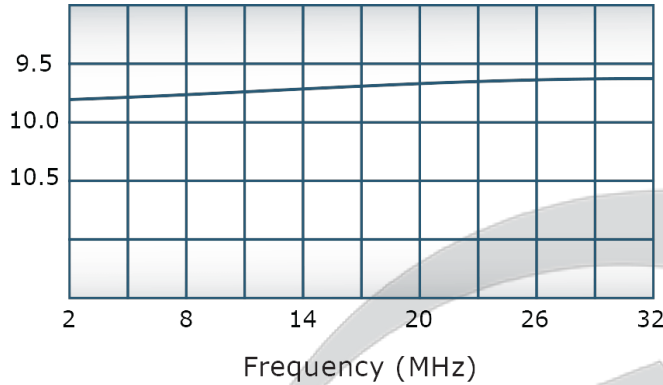


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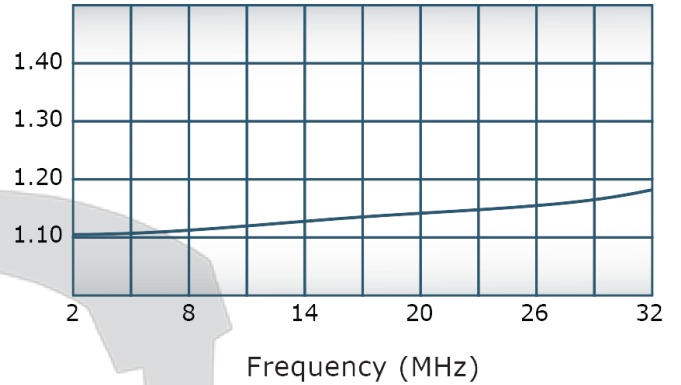
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Performance Data (Specifications subject to change without notice):

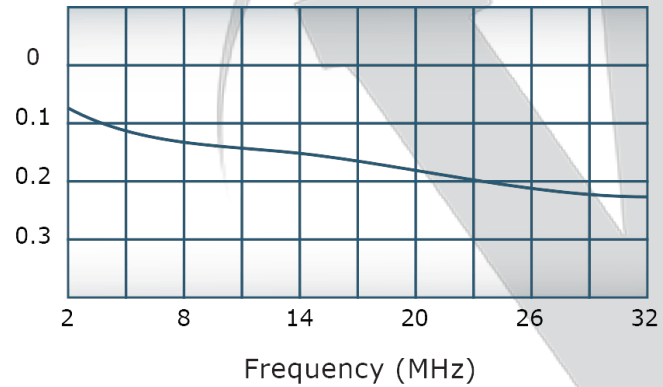
Coupling:



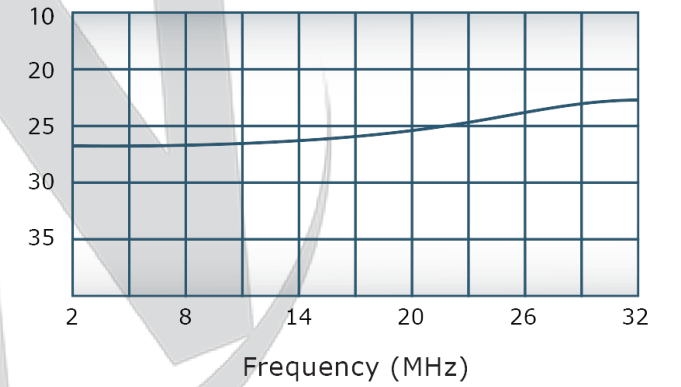
VSWR:



Insertion Loss:



Directivity:

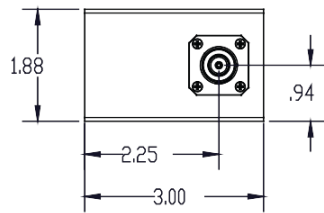
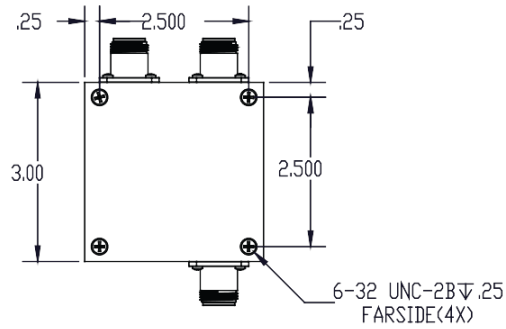
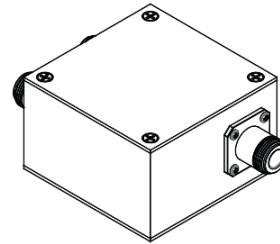
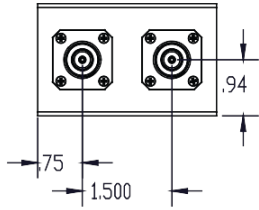


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REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	INITIAL RELEASE	11/23/2011	



UNLESS OTHERWISE SPECIFIED		DWN	DATE	12/16/2011	WERLATONE I SINCE 1965 17 Jon Barrett Rd Patterson, NY 12568
1 INTERPRET DRAWING BY MEL-STD-001		CHK	DATE		
1 DIMENSIONING PER ASME Y14.5M-2009		ENGR	DATE		TITLE
1 DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		DEPT	DATE		OUTLINE
1 DIMENSIONS ARE IN INCHES		INFO	DATE		SIZE
1 TOLERANCES UNLESS SHOWN OTHERWISE		QA	DATE		CAGE CODE
1 FRACTIONAL DIMENSIONS ARE IN INCHES		RELSE	DATE		DWG NO
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USED ON	
APPLICATION	

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