

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.

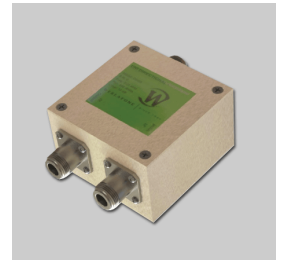
Mechanical Specifications:

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.

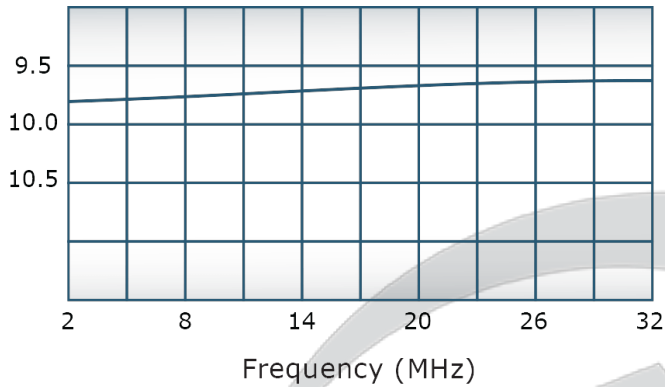


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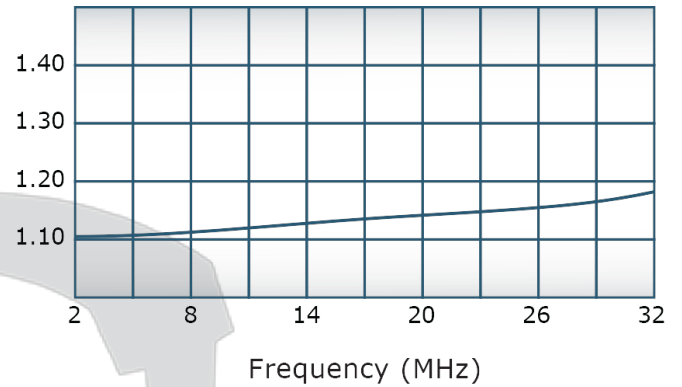
C8483

Performance Data (Specifications subject to change without notice):

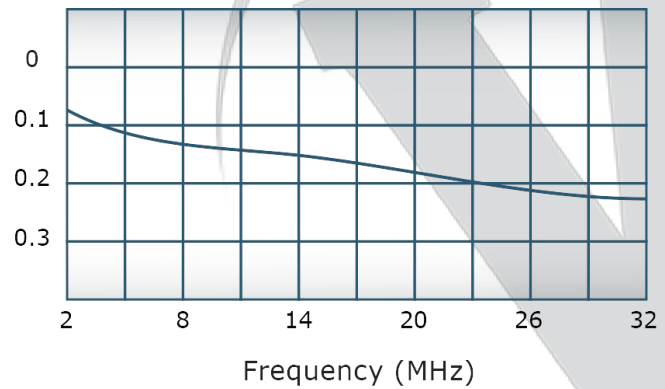
Coupling:



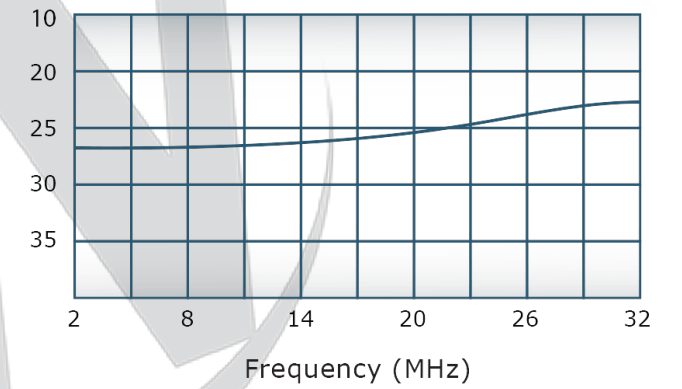
VSWR:



Insertion Loss:



Directivity:

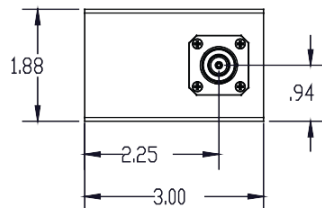
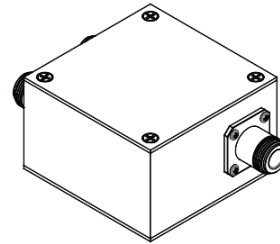
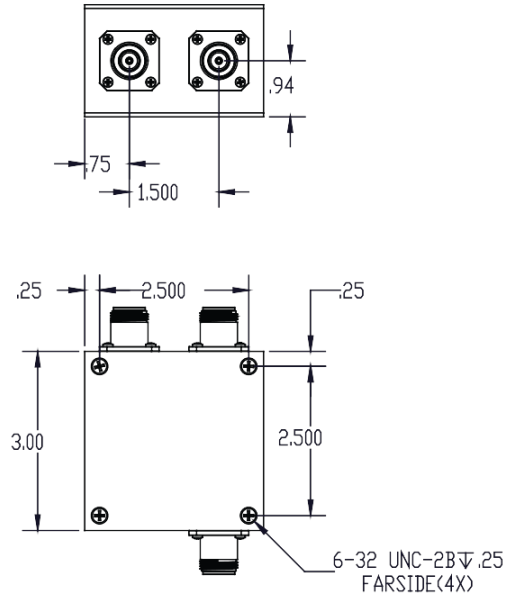


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REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	INITIAL RELEASE	11/23/2011	



		UNLESS OTHERWISE SPECIFIED		DWN	SC	DATE	12/16/2011		WERLATONE I SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563		
		1 INTERPRET DRAWING BY ASL-STD-001		CHK		DATE			TITLE			
		1 DIMENSIONING PER ASME Y14.5M-2009		ENGR		DATE		OUTLINE				
		1 DIMENSIONAL UNITS PER ASME Y14.5M-2009		DRFR		DATE		SIZE	CAGE CODE	DWG NO		
		1 DIMENSIONS ARE IN INCHES		QA		DATE		B	28812	20577-500		
		1 DIMENSIONAL LIMITS APPLY BEFORE FINISHES		RLSE		DATE		SCALE	1/2			
		1 TOLERANCES/ANGLES ± .005									REV	-
		2 PL ± .005										
		1 REMOVE ALL BURRS AND SHARP EDGES RISE MAX										
		1 CONCENTRICITY MACHINES TO .005 AND FIM										
		1 MACHINE TOOL MISMATCH .005 MAX										
NEXT ASSY USED ON		C8483		THIRD ANGLE PROJECTION								
APPLICATION								SHEET 1 of 1				

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