
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"

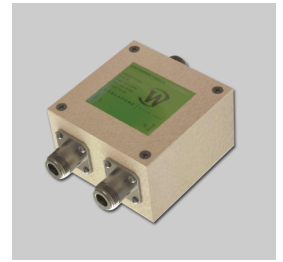
Connector Configurations:

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

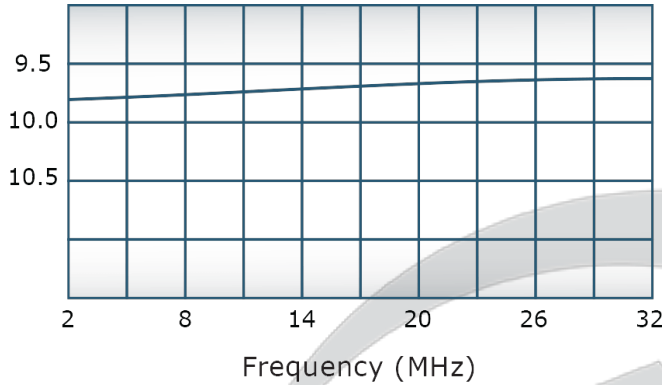


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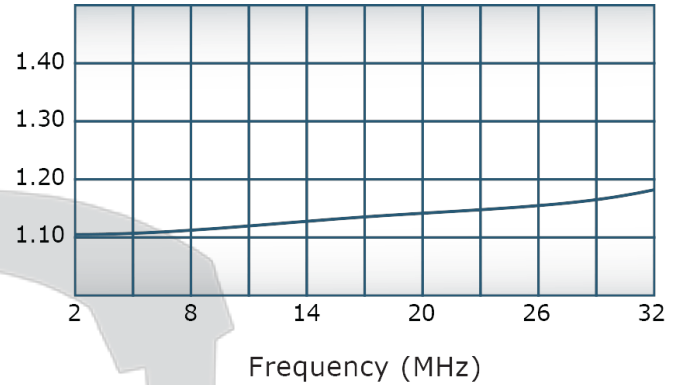
C8483

Performance Data (Specifications subject to change without notice):

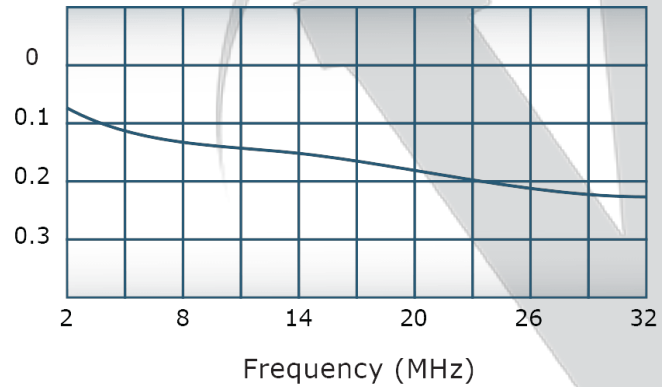
Coupling:



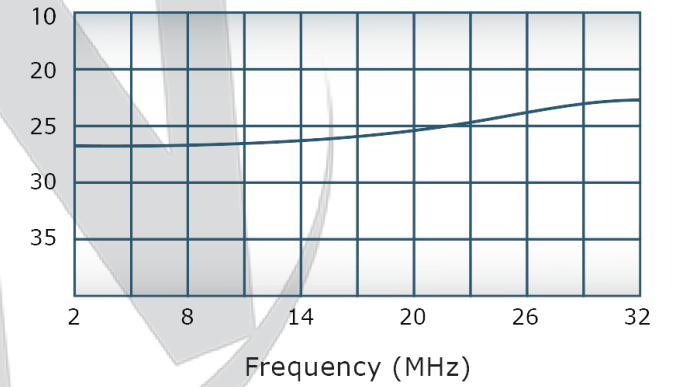
VSWR:



Insertion Loss:



Directivity:



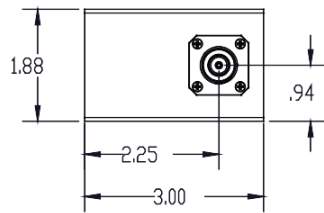
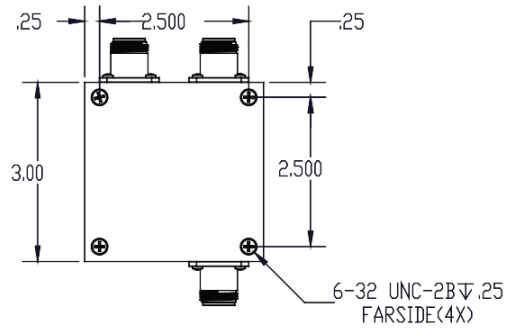
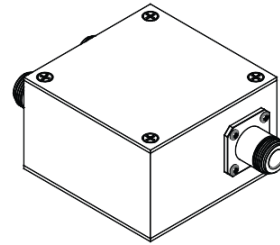
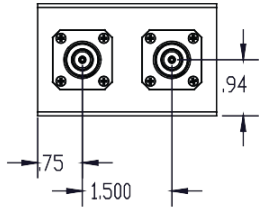
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REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	INITIAL RELEASE	11/23/2011	



UNLESS OTHERWISE SPECIFIED		DWN	DATE	12/16/2011	WERLATONE I SINCE 1965 17 Jon Barrett Rd Patterson, NY 12568
1 INTERPRET DRAWING BY MEL-STD-001		SC	DATE		
1 DIMENSIONING PER ASME Y14.5M-2009		CHK	DATE		TITLE OUTLINE
1 DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		ENGR	DATE		
1 DIMENSIONS ARE IN INCHES		DFOR	DATE		SIZE CAGE CODE DWG NO B 28812 20577-500
1 TOLERANCES/ANGLES ± .010		QA	DATE		
2 PL ± .010		RELSE	DATE		REV -
1 REMOVE ALL BURRS AND SHARP EDGES R48 MAX		THIRD ANGLE PROJECTION			SCALE 1x
1 CONCENTRICITY MATCHES TOA AND FIB		APPLICATION			SHEET 1 OF 1
1 MACHINE TOOL MISMATCH .005 MAX		NEXT ASSY USED ON C8483			

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