WERLATONE

Model C2408
Connectorized Directional Couplers

PRODUCT DATA SHEET **C2408**

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:	1 - 500 MHz
Power:	5 W CW
Coupling:	20 ± 1.0 dB Max.
Insertion Loss:	1.0 dB Max.
Flatness:	± 0.5 dB Max.
VSWR (ML):	1.20:1 Max.
Directivity:	25 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:	1.5 x 1.5 x 1.12"

Port Configurations:

Model	**Input (J1)**	**Output (J2)**	**Fwd (J3)**
C2408-10	N Female	N Female	N Female
C2408-714	N Male	N Female	N Female

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.

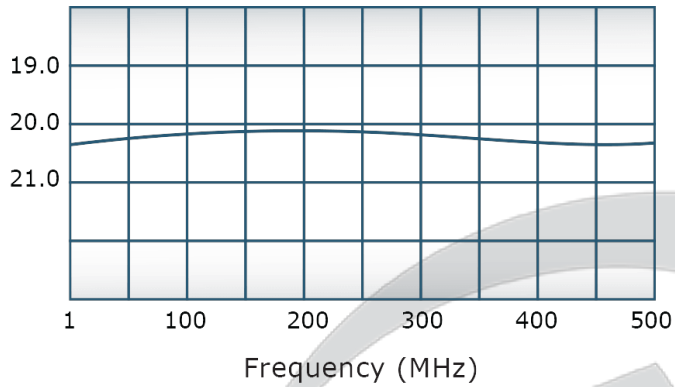
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Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

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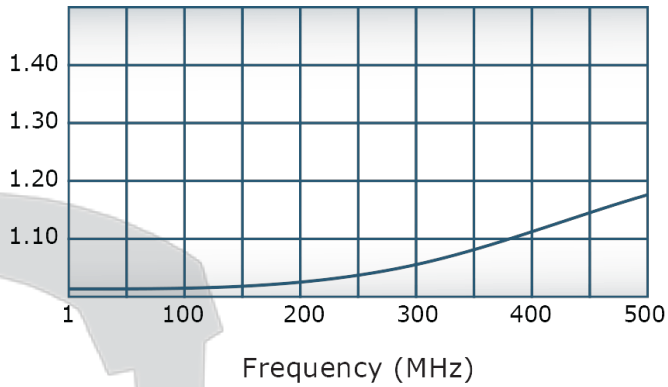
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Performance Data (Specifications subject to change without notice):

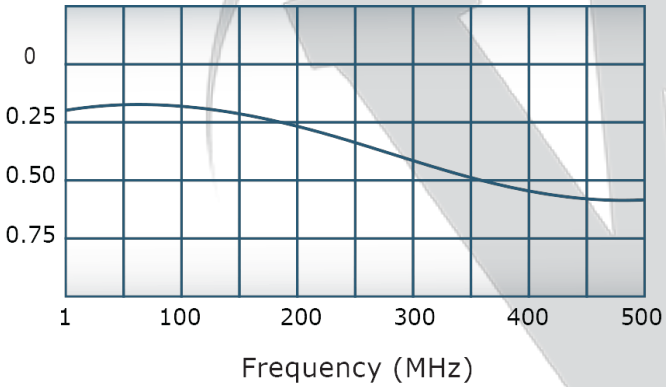
Coupling:



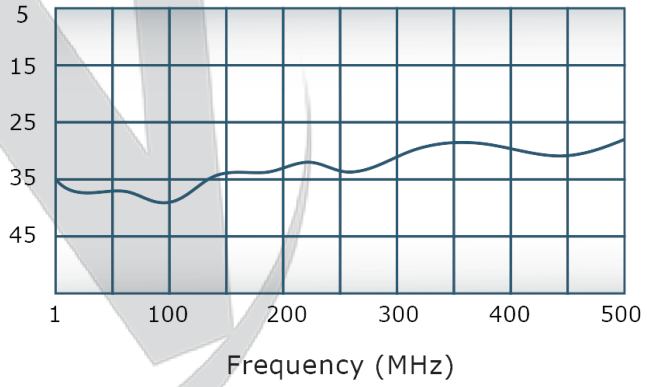
VSWR:



Insertion Loss:



Directivity:

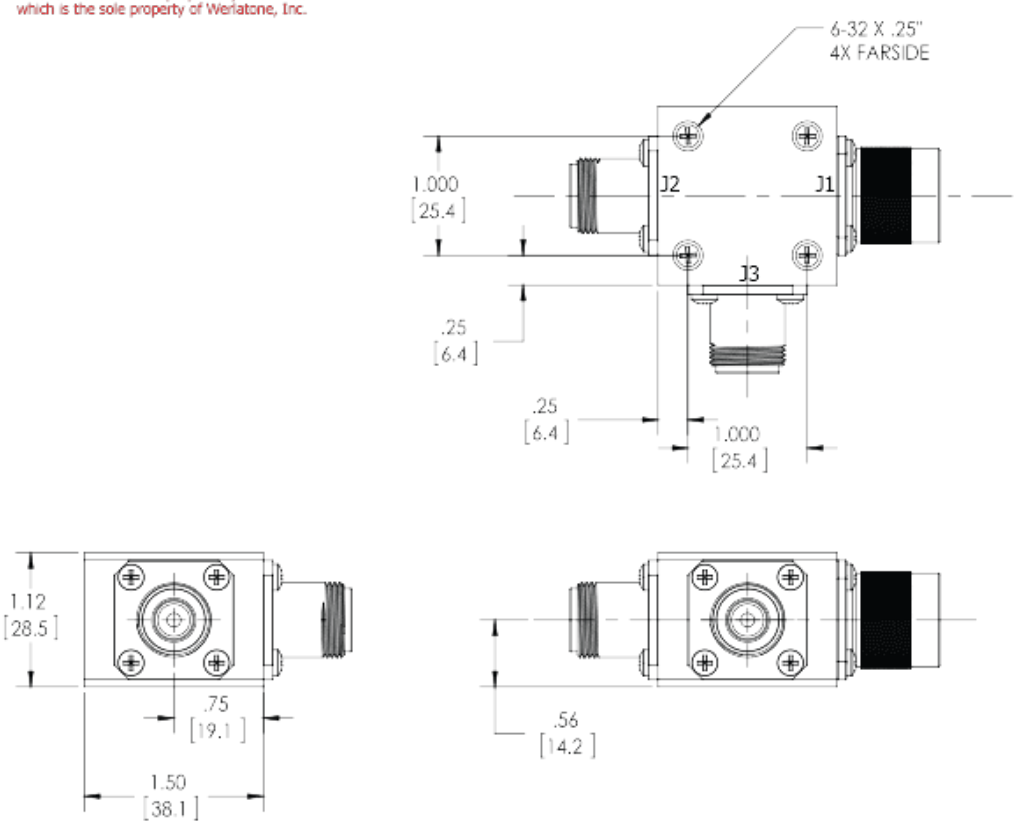


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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	11/14/2016	CS



		UNLESS OTHERWISE SPECIFIED	DWN FLP 11/14/2016	WERLATONE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563
			CHK CS 11/14/2016	TITLE	
			ENGR		
			MFGR		
	C2408, C2409		QA	SIZE B CAGE CODE 28812 DWG NO 10133-500	REV -
NEXT ASSY	USED ON		BLSE	SCALE 1:1	SHEET 1 OF 1
APPLICATION		THIRD ANGLE PROJECTION			

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