
PRODUCT DATA SHEET
C8998

4-Port Dual Directional Coupler employs two, 3-Port Uni-Directional Couplers, internally connected, in tandem, providing measurement of both forward and reverse power. Ideal for simultaneously monitoring a system's forward and reverse power and for reflectometer measurements. Unlike the Bi-Directional Coupler, the directivity of the Dual Directional Coupler is unaffected by the loads on the coupled ports.

Features:

High Power Wide Bandwidths Small Size Flat Coupling Custom Designs Available

Electrical Specifications:

Frequency: 100 - 3000 MHz
 Power: 250 W CW
 Coupling: 40 ± 1.0 dB Max.
 Insertion Loss: 0.4 dB Max.
 Flatness: ± 1.0 dB Max.
 VSWR (ML): 1.25:1 Max.
 Directivity: 18 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 2.2 x 1.09"

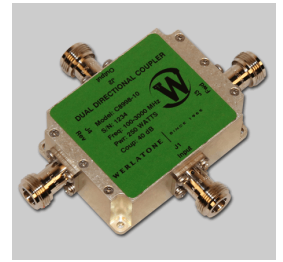
Connector Configurations:

Model	Input (J1)	Output (J2)	Fwd (J3)	Rev (J4)
C8998-10	N Female	N Female	N Female	N Female
C8998-12	N Female	N Female	SMA	SMA
C8998-13	N Female	N Female	BNC	BNC
C8998-102	SMA	SMA	SMA	SMA

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

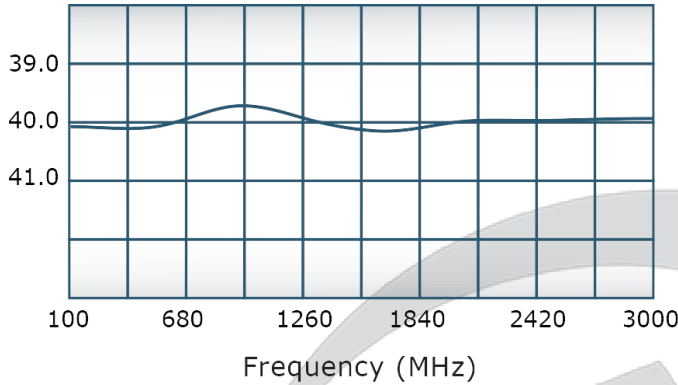


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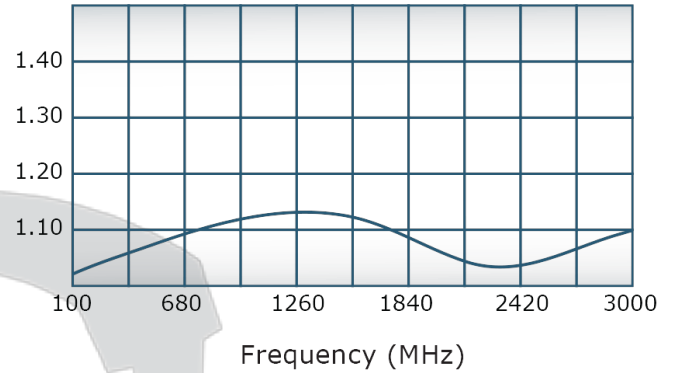
C8998

Performance Data (Specifications subject to change without notice):

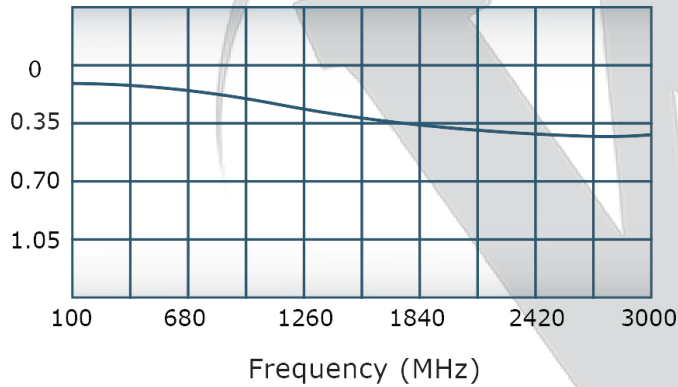
Coupling:



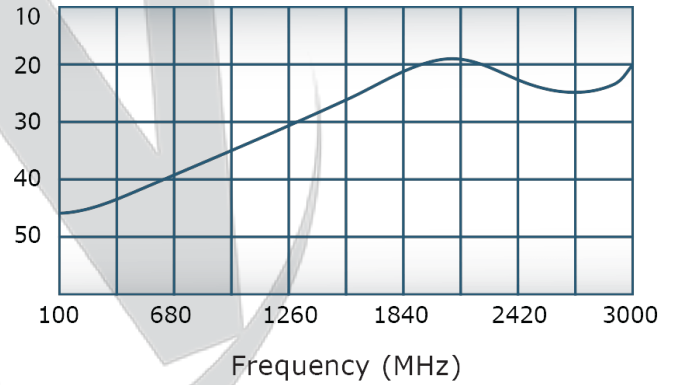
VSWR:



Insertion Loss:



Directivity:



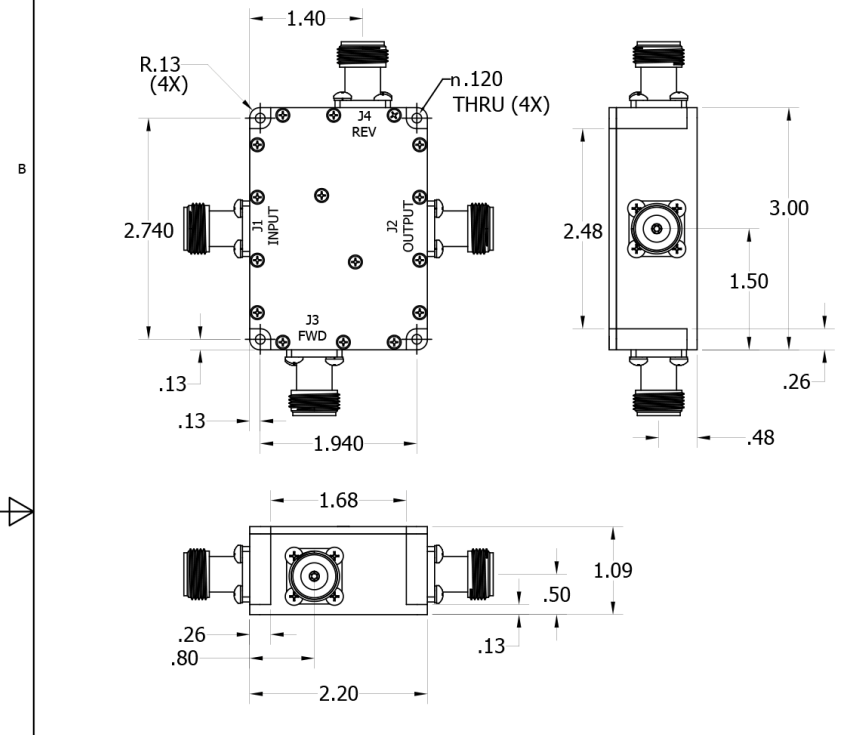
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REVISION HISTORY					
DATE	REV	REVISION RECORD	AUTH	CHK	APPV
5/4/2011	-	INITIAL RELEASE	NH	BW	BW



UNLESS OTHERWISE SPECIFIED		DWN	DATE	WERLATONE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563			
INTERPRET DRAWING IAW MIL-STD-100 DIMENSIONING PER ASME Y14.5M-2009 PARANETICAL INFO FOR REF ONLY DIMENSIONS ARE IN INCHES TOLERANCES: ANGLE ± 2° 3 PL DECIMALS ± .005 2 PL DECIMALS ± .015		NH	05/04/11		TITLE	OUTLINE		
THIRD ANGLE PROJECTION		CHK	DATE	USED ON				
		ENGR	DATE		SIZE	CAGE CODE	DWG NO	REV
		BW	05/04/11		A	28812	20769-500	-
		QA	DATE		SCALE			SHEET 1 OF 1
		RLSE	DATE		1:2			

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