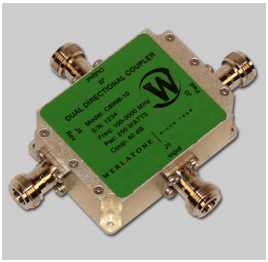
WERLATONE

Model C8998



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:

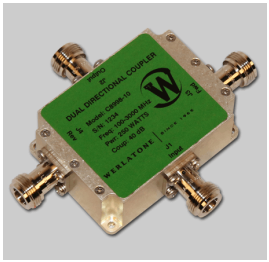
Type:	Connectorized
Material:	Aluminum 6061-T6
Surface Finish:	Chem. Film Per MIL-DTL-5541F Type I Class 3 (Yellow Iridite) RoHS Compliant Available
Operating Temperature:	-55°C to +75°C
Storage Temperature:	-60°C to +85°C
Humidity:	95% Non-Condensing
Size:	3.0 x 2.2 x 1.09''

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.

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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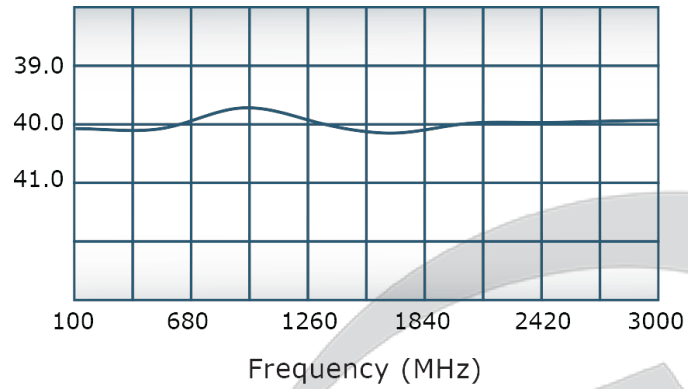
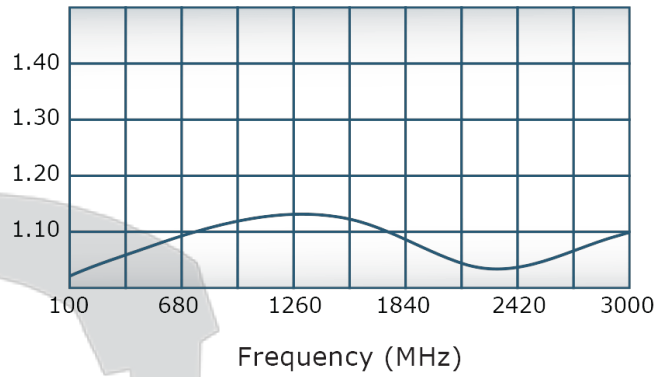
Performance Data (Specifications subject to change without notice):

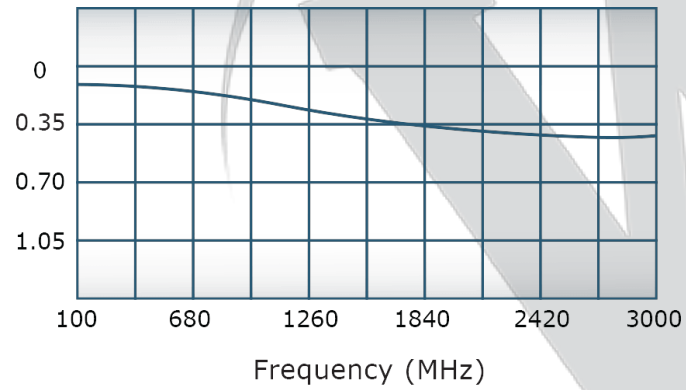
Coupling:



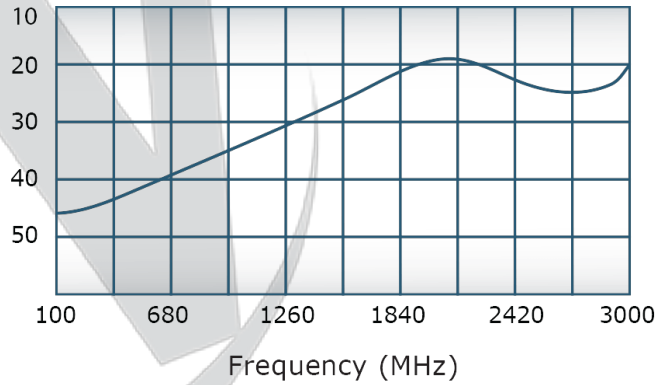
VSWR:



Insertion Loss:



Directivity:



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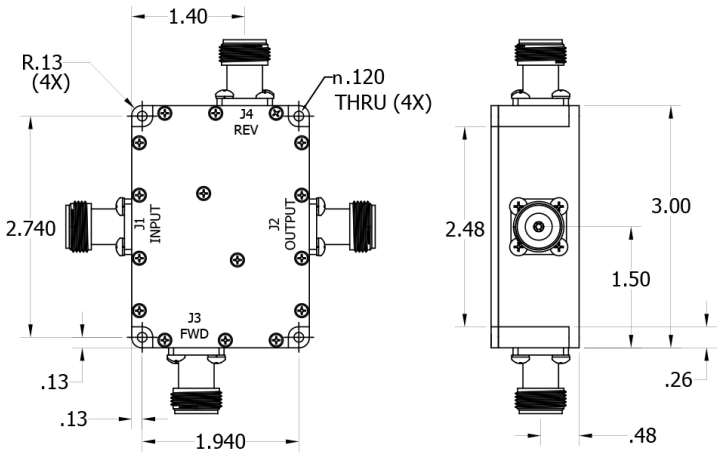
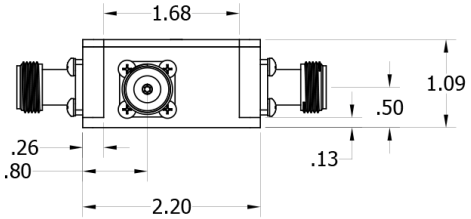
REVISION HISTORY					
DATE	REV	REVISION RECORD	AUTH	CHK	APPV
5/4/2011	-	INITIAL RELEASE	NH	BW	BW





UNLESS OTHERWISE SPECIFIED
- INTERPRET DRAWING IAW MIL-STD-100
- DIMENSIONING PER ASME Y14.5M-2009
- PARANTHETICAL INFO FOR REF ONLY
- DIMENSIONS ARE IN INCHES
- TOLERANCES: ANGLE ± 2°
  3 PL DECIMALS ± .005
  2 PL DECIMALS ± .015

THIRD ANGLE PROJECTION

DWN	NH	05/04/11
CHK	BW	05/04/11
ENGR	BW	05/04/11
QA		
RLSE		

WERLATONE | SINCE 1965
17 Jon Barrett Rd
Patterson, NY 12563

TITLE: OUTLINE

USED ON

SIZE	CAGE CODE	DWG NO	REV
A	28812	20769-500	-

SCALE 1:2 SHEET 1 OF 1

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