Model D8422
Combiners In-Phase Connectorized

PRODUCT DATA SHEET **D8422**

Werlatone® ***Mismatch Tolerant®*** High Power Broadband RF Combiners and Dividers will operate into High Load VSWR Conditions, for extended periods, without damage. With extensive experience as a supplier to military platforms worldwide **Werlatone®** designs its High Power Broadband Combiners, Power Dividers, and N-Way Combiners for proper operation in the most stringent operating conditions.

Features:

High Power | Wide Bandwidths | Small Size | High Isolation | Custom Designs Available

Electrical Specifications:

Frequency:	800 - 2300 MHz
Power:	800 W CW
Insertion Loss:	0.5 dB Max.
VSWR:	1.25:1 Max.
Phase Balance:	± 5° Max.
Amplitude Balance:	0.25 dB Max.
Isolation:	11 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
Weight:	3 lbs. 8 oz.
Size:	5.5 x 4.25 x 2.25''

Connector Configurations:

Model	**Sum Port (J1)**	**Input/Output (J2-J5)**
D8422-10	N Female	N Female
D8422-20	7/16 Female	N Female
D8422-22	7/16 Female	SMA
D8422-296	7/16 Female	SC Female

When specified, Werlatone® High Power Combiners and RF Dividers will tolerate full input failures on adjacent port(s). This insures that remaining transmitter(s) may continue to operate until the amplifier system can be properly shut down for maintenance. Choose your specific connector configuration from a list of options. Additional connector configurations for our High Power RF Combiners/Dividers, Non-Coherent Combiners, and N-Way Combiners are available upon request.

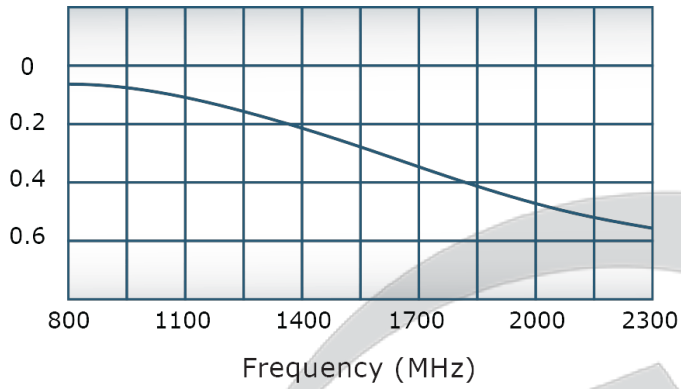
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Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

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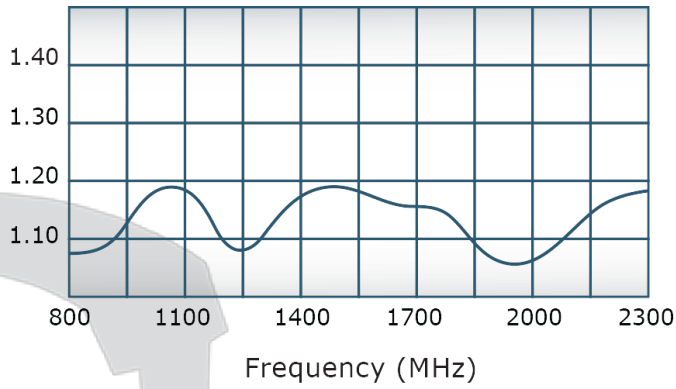
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Performance Data (Specifications subject to change without notice):

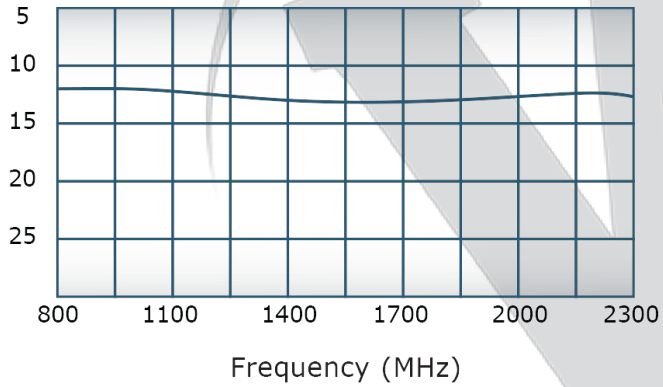
Insertion Loss:



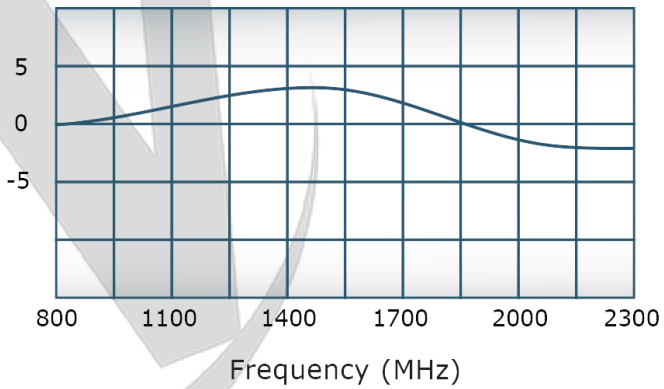
VSWR:



Isolation:



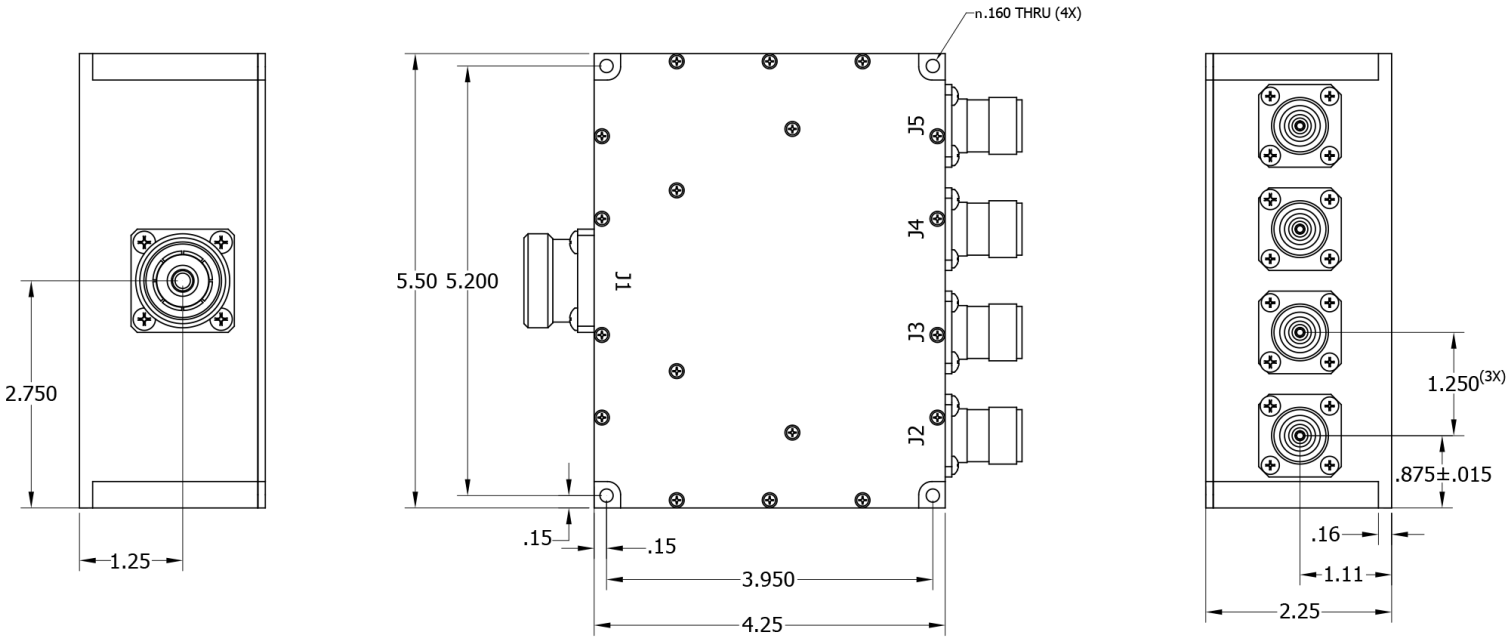
Phase Balance:



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REVISION HISTORY					
DATE	REV	REVISION RECORD	AUTH	CHK	APPV
7/16/09	-	INITIAL RELEASE	GP	NH	BW
10/1/09	A	ECN 4970	GP	NH	BW



UNLESS OTHERWISE SPECIFIED					
° INTERPRET DRAWING IAW MIL-STD-100 ° DIMENSIONING PER ASME Y14.5M-2009 ° PARENTHETICAL INFO FOR REF ONLY ° DIMENSIONS ARE IN INCHES ° DIMENSIONAL LIMITS APPLY BEFORE PROCESSES ° TOLERANCES: ANGLES ± 2° .XXX ± .005 .XX ± .015 ° HOLE TOLERANCES +.004/-.001 THIRD ANGLE PROJECTION	DWN	GP	DATE	7/17/2009	WERLATONE | SINCE 1965 — 2095 Route 22, Brewster, NY 10509
	CHK	NH	DATE	2/1/2013	TITLE: D8422 4-Way Combiner/Divider
	ENGR		DATE		
	MFGR		DATE		
	QA		DATE		SIZE: A — CAGE CODE: 28812 — DWG NO: 20536-500 — REV: A
	RLSE		DATE		SCALE: 1:2 — SHEET 1 OF 1

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