



PRODUCT DATA SHEET

D8468

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 - 5000 MHz
 Power: 150 W CW
 Insertion Loss: 0.6 dB Max.
 VSWR: 1.35:1 Max.
 Phase Balance: ± 5° Max.
 Amplitude Balance: 0.3 dB Max.
 Isolation: 15 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: 0.5 lbs.
 Size: 3.4 x 1.4 x 0.87"

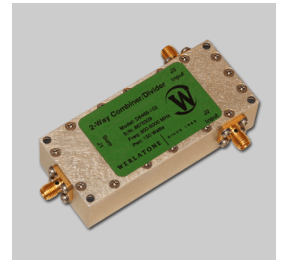
Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D8468-10	SMA	SMA	SMA

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.

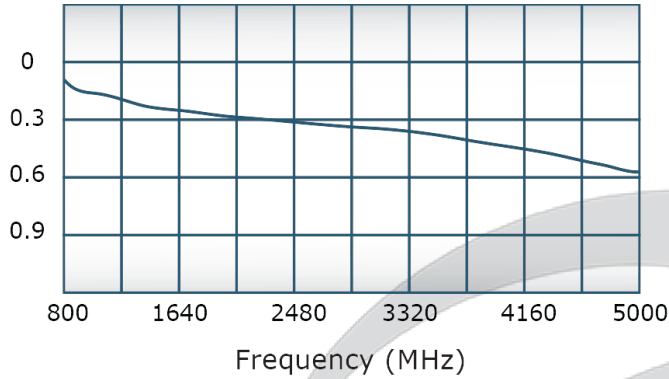
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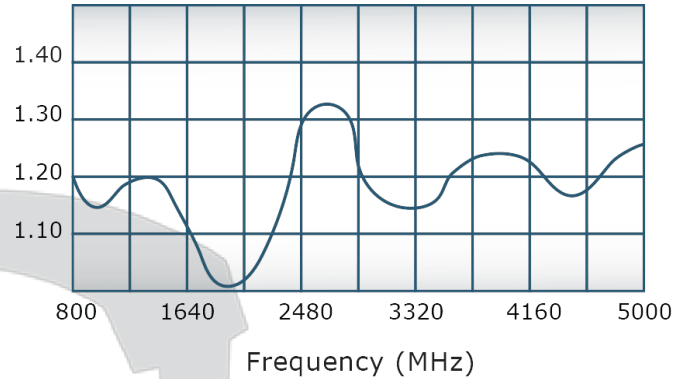


Performance Data (Specifications subject to change without notice):

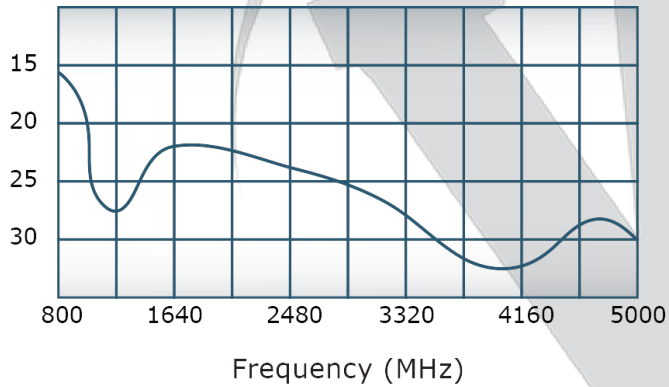
Insertion Loss:



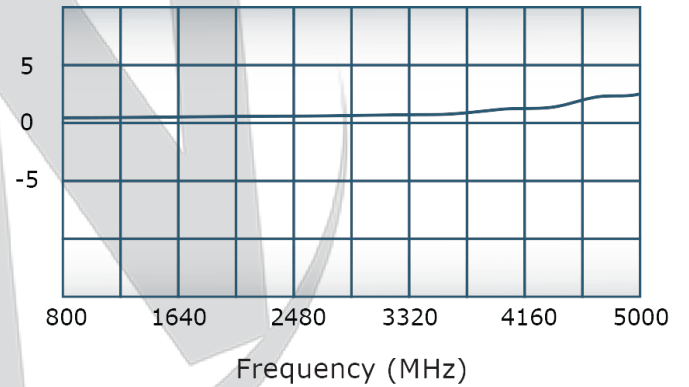
VSWR:



Isolation:



Phase Balance:



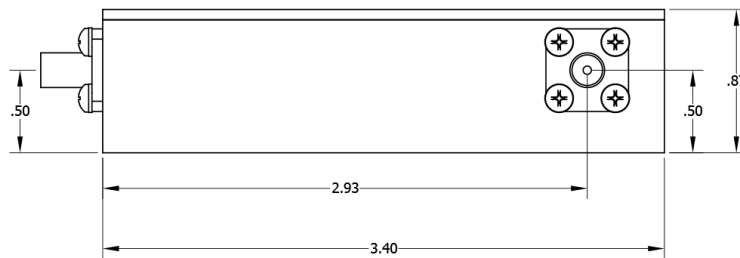
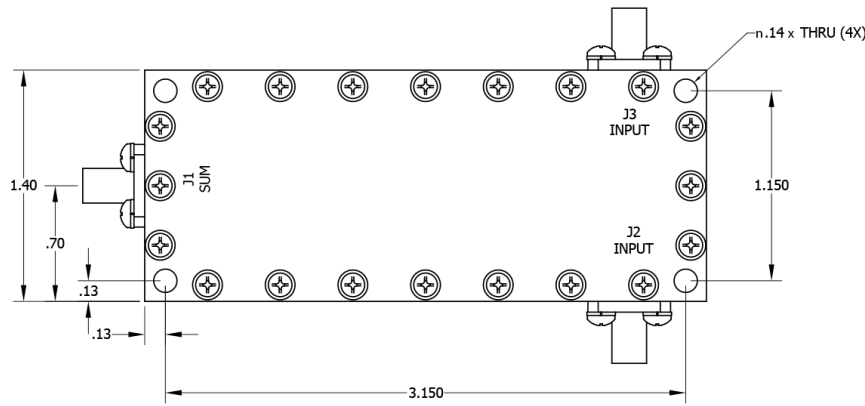
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REVISION HISTORY					
DATE	REV	REVISION RECORD	AUTH	CHK	APPV



<small>UNLESS OTHERWISE SPECIFIED</small> * 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 ± .01 * HOLE TOLERANCES ±.004/- .001 * REMOVE ALL BURRS AND SHARP EDGES .01 R MAX * CONCENTRICITY MACHINED DIA: .002 FIM * MACHINE TOOL MISMATCH .003 MAX THIRD ANGLE PROJECTION	DWN	DATE	WERLATONE SINCE 1965 2095 Route 22 Brewster, NY 10509		
	NH	12/8/2009			
	CHK	DATE			
	BW	12/8/2009			
ENGR	DATE	TITLE			
BW	12/8/2009	OUTLINE			
MFR	DATE	USED ON			
		D8468-102			
QA	DATE	SIZE	CAGE CODE	DWG NO	REV
RLSE	DATE	A	28812	20571-501	-
		SCALE	SHEET 1 OF 1		

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