


PRODUCT DATA SHEET
D8632

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: 20 - 1000 MHz
Power: 50 W CW
Insertion Loss: 0.7 dB Max.
VSWR: 1.40:1 Max.
Phase Balance: $\pm 5^\circ$ Max.
Amplitude Balance: 0.3 dB Max.
Isolation: 20 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: 4 oz.
Size: 2.2 x 1.5 x 0.9"

Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D8632-102	SMA	SMA	SMA
D8632-102RA	Right Angle SMA	Right Angle SMA	Right Angle 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.

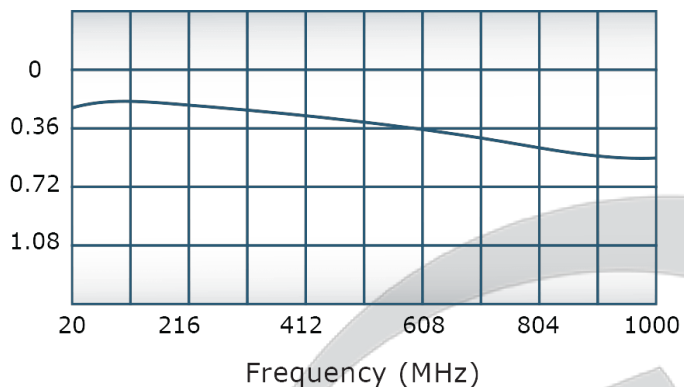


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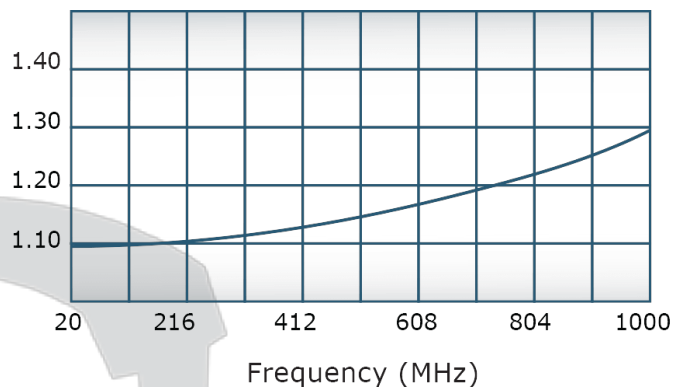
D8632

Performance Data (Specifications subject to change without notice):

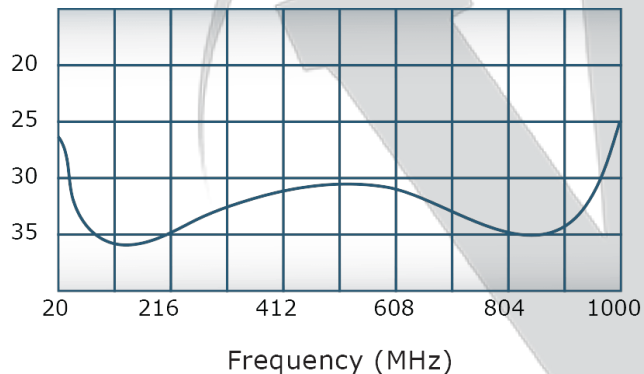
Insertion Loss:



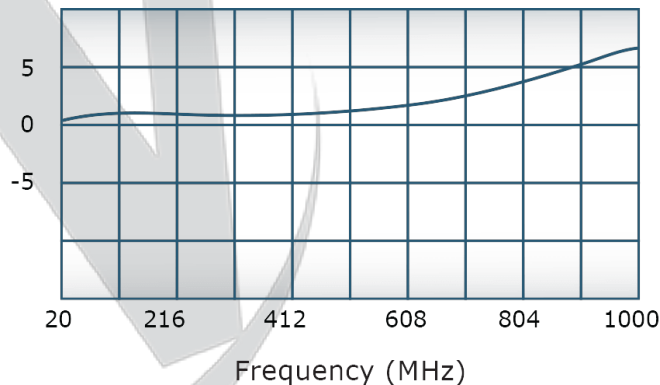
VSWR:



Isolation:



Phase Balance:

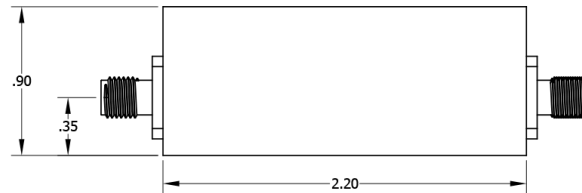
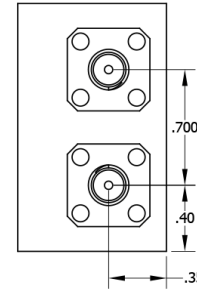
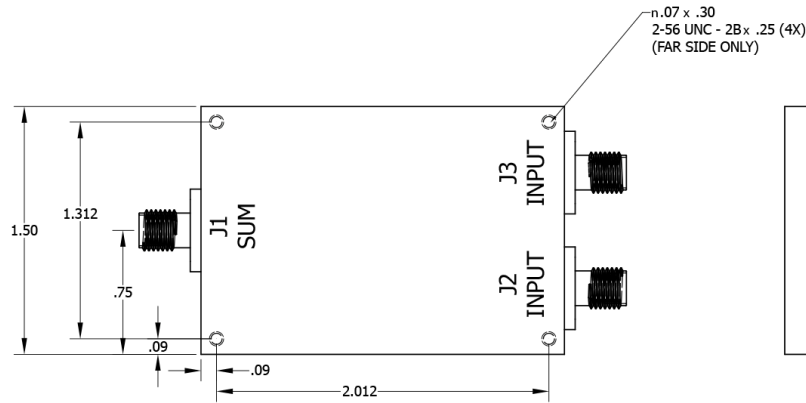


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REVISION HISTORY					
DATE	REV	REVISION RECORD	AUTH	CHK	APPV



UNLESS OTHERWISE SPECIFIED		DWN	DATE	WERLATONE SINCE 1965		2095 Route 22 Brewster, NY 10509	
* INTERPRET DRAWING IAW MIL-STD-100		NH	4/29/2010	TITLE OUTLINE USED ON		SIZE A	
* DIMENSIONING PER ASME Y14.5M-2009		CHK	DATE				
* PARENTHEetical INFO FOR REF ONLY		BW	4/29/2010				
* DIMENSIONS ARE IN INCHES		ENGR	DATE				
* DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		BW	4/29/2010	CAGE CODE 28812		DWG NO 20630-500	
* TOLERANCES: ANGLES ± 2°		QA	DATE				
XXX ± .005		RLSE	DATE				
XX ± .015							
THIRD ANGLE PROJECTION		SCALE		SHEET 1 OF 1		REV	

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