



PRODUCT DATA SHEET

D9923

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 - 100 MHz
Power: 3000 W CW
Insertion Loss: 0.3 dB Max.
VSWR: 1.25:1 Max.
Phase Balance: $\pm 5^\circ$ Max.
Amplitude Balance: 0.2 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: 14 lbs. 8 oz.
Size: 13.0 x 11.0 x 3.7"

Connector Configurations:

Model	Sum Port (J5)	Input/Output (J1-J4)
D9923-20	7/16 Female	N Female
D9923-41	SC Female	N 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.

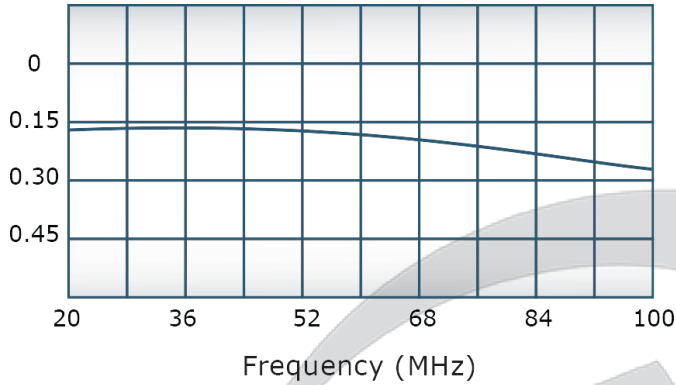


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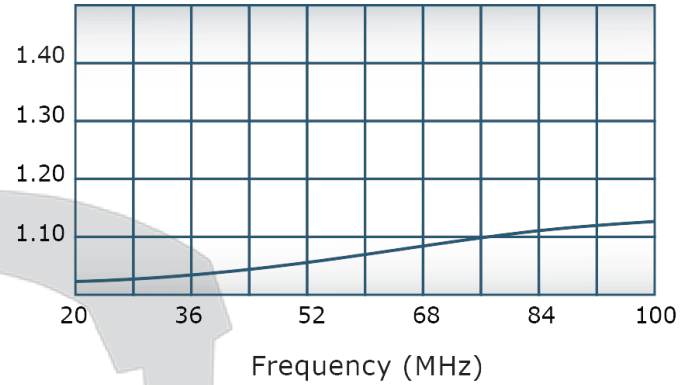
D9923

Performance Data (Specifications subject to change without notice):

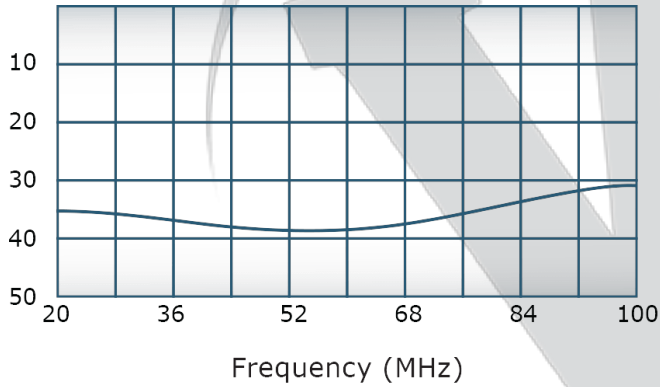
Insertion Loss:



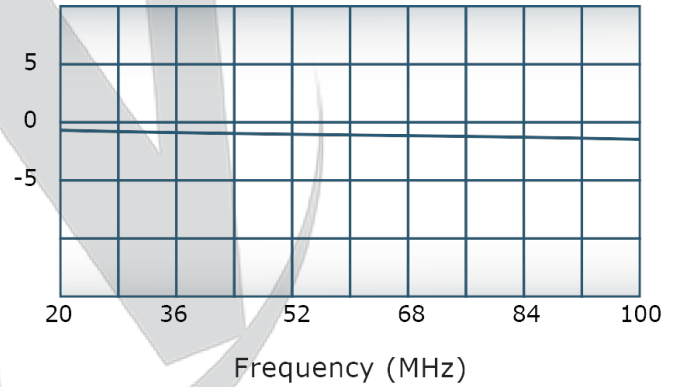
VSWR:



Isolation:



Phase Balance:



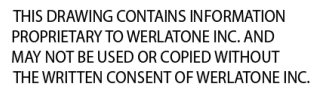
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Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

Technical drawing of a rectangular building footprint. The overall dimensions are 13.00 (width) and 11.00 (depth). The drawing shows the placement of five doors, labeled J1 through J5, with their respective heights and positions relative to the building edges. The dimensions for the doors are as follows:

- J1: 2.38
- J2: 4.13
- J3: 6.87
- J4: 8.62
- J5: 5.50

The drawing also indicates the distance from the bottom edge to the top of the door frames (J1, J2, J3, J4) as 10.625. The distance from the bottom edge to the top of the door frame J5 is 0.19. The distance from the left edge to the center of the door frames J1, J2, J3, and J4 is 0.50. The distance from the left edge to the center of the door frame J5 is 2.000.



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