



PRODUCT DATA SHEET

D9903

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 Custom Designs Available

Electrical Specifications:

Frequency: 649 - 651 MHz
Power: 4000 W CW
Insertion Loss: 0.3 dB Max.
VSWR: 1.30:1 Max.
Phase Balance: $\pm 5^\circ$ Max.
Amplitude Balance: 0.125 dB Max.
Isolation: Non-Isolated

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: 6 lbs.
Size: 7.73 x 3.0 x 3.0" Radial

Connector Configurations:

Model	Sum Port (J9)	Input/Output (J1-J8)
D9903-80	1 5/8 EIA	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.

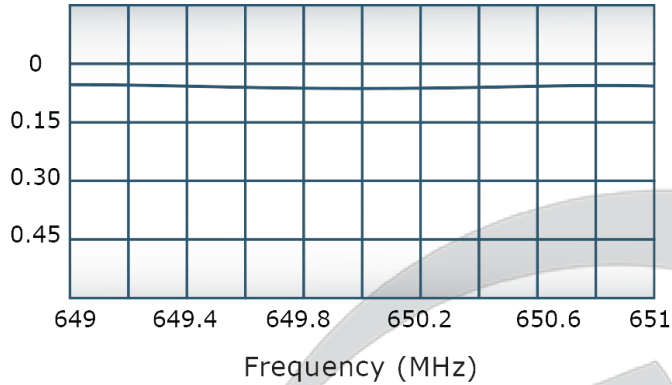


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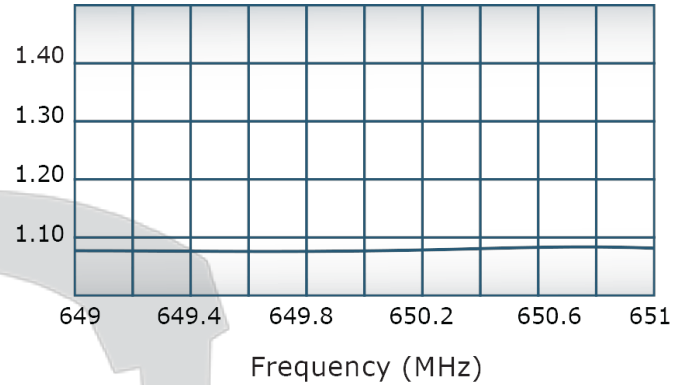
D9903

Performance Data (Specifications subject to change without notice):

Insertion Loss:



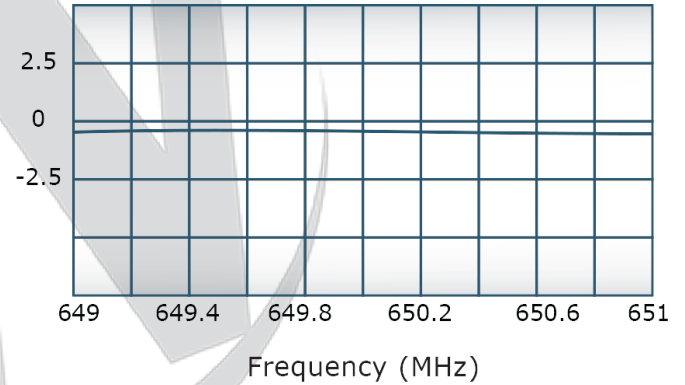
VSWR:



Since 1965:

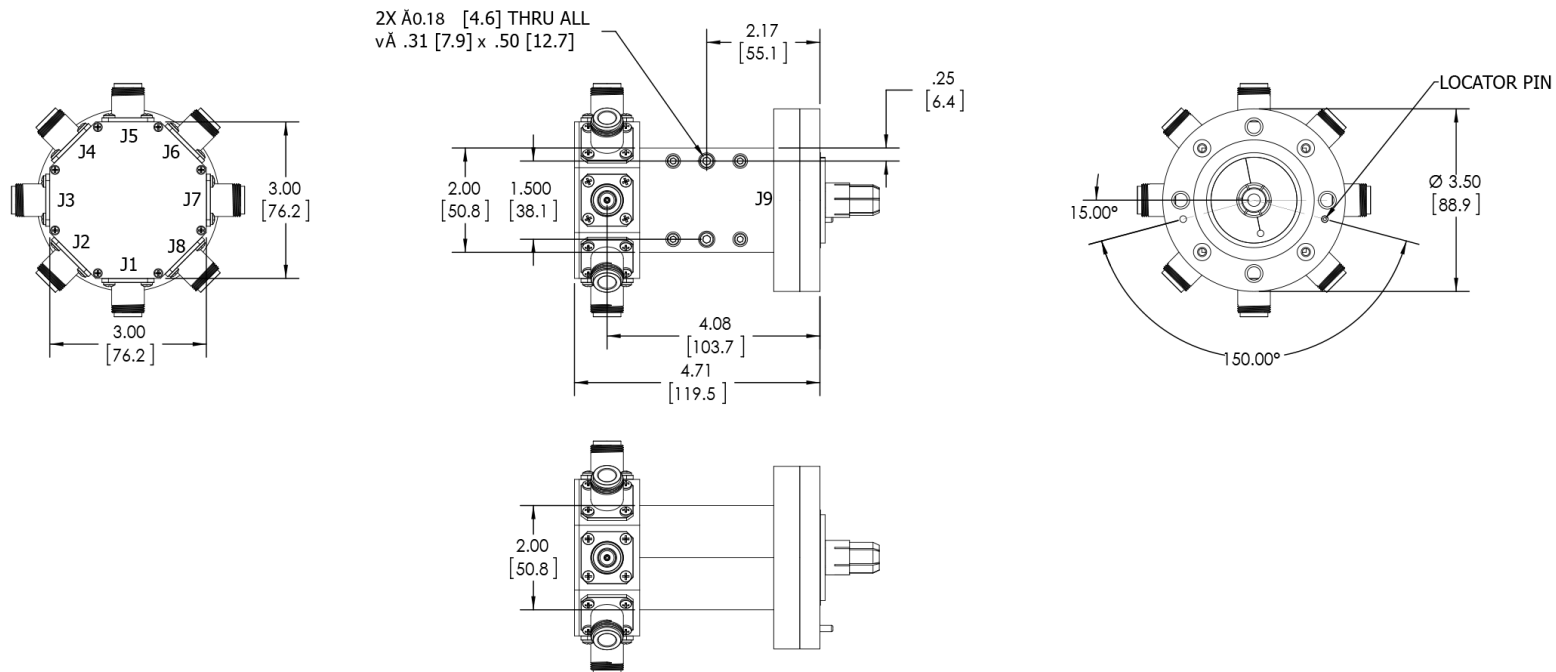


Phase Balance:



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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	1/21/2014	SC
A	ECN: 8606	3/21/2014	SC



UNLESS OTHERWISE SPECIFIED		DATE	1/21/2014		 WERLATONE SINCE 1965 17 Jon Barrett Rd Litchfield, NH 12563
INTERNET DRAWING MAY VARY 1/8" TO 1/4"		DN	DATE	1/21/2014	
CONSIDERING PER ABOVE VARIATIONS		CS	DATE	1/21/2014	
PARENTHETICAL INFO FOR REF ONLY		ENR	DATE	1/21/2014	
CONSIDERING ARE IN PAGES (END)		ENR	DATE	1/21/2014	TITLE
CONSIDERING LPT'S APPLY BEFORE PROCESSES		ENR	DATE	1/21/2014	OUTLINE
TOLERANCES:		ENR	DATE	1/21/2014	SIZE
FRACTIONS 1/8"		ENR	DATE	1/21/2014	CAGE CODE
DECIMALS 0.0001		ENR	DATE	1/21/2014	DWG NO
2 PL. = 0.015 [13]		ENR	DATE	1/21/2014	28812 21135-500
3 PL. = 0.015 [3]		ENR	DATE	1/21/2014	REV
REMOVE ALL BURRS AND SHARP EDGES. BUSH		ENR	DATE	1/21/2014	A
CONCENTRICITY MAXIMUM DIA. 0.002 TYP		ENR	DATE	1/21/2014	
MACHINE TOOL. INSPECTION 0.002 MAX		ENR	DATE	1/21/2014	
NEXT ASSY		ENR	DATE	1/21/2014	
USED ON		ENR	DATE	1/21/2014	
APPLICATION		ENR	DATE	1/21/2014	
THIRD ANGLE PROJECTION		ENR	DATE	1/21/2014	
SCALE		ENR	DATE	1/21/2014	
1:2		ENR	DATE	1/21/2014	
SHEET 1 OF 1		ENR	DATE	1/21/2014	

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