

PRODUCT DATA SHEET

D9710

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: 1000 - 2500 MHz
Power: 2000 W CW
Insertion Loss: 0.3 dB Max.
VSWR: 1.40:1 Max.
Phase Balance: $\pm 5^\circ$ Max.
Amplitude Balance: 0.2 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: 7 lbs.
Size: Radial

Connector Configurations:

Model	Sum Port (J9)	Input/Output (J1-J8)
D9710-80	1 5/8" EIA	N Female
D9710-82	1 5/8" EIA	SMA
D9710-808	1 5/8" EIA	TNC Male

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.



WERLATONE

Model D9710

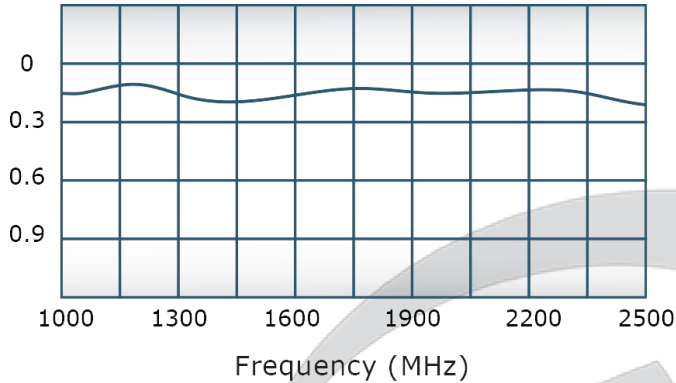
Combiners In-Phase Connectorized Radial

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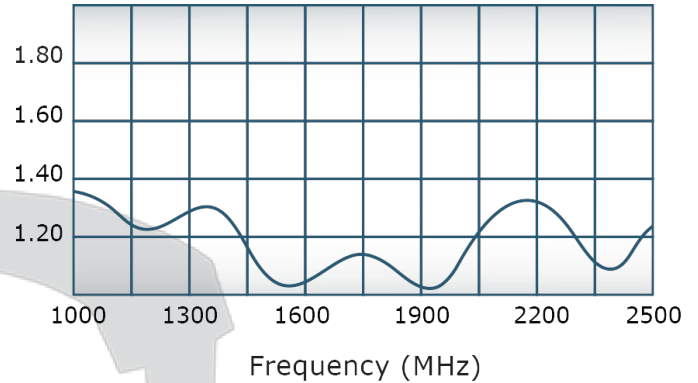
D9710

Performance Data (Specifications subject to change without notice):

Insertion Loss:



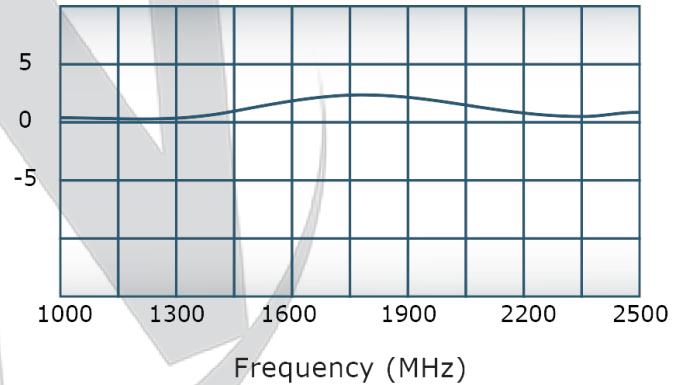
VSWR:



Since 1965:



Phase Balance:

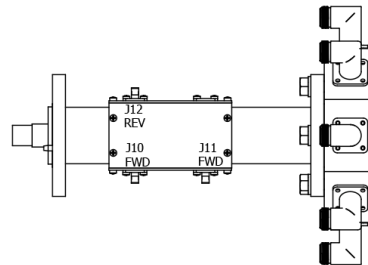
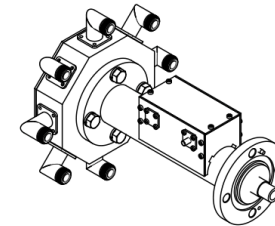


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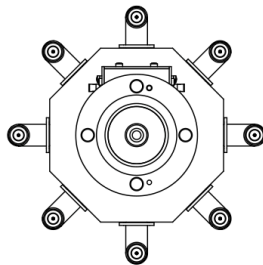
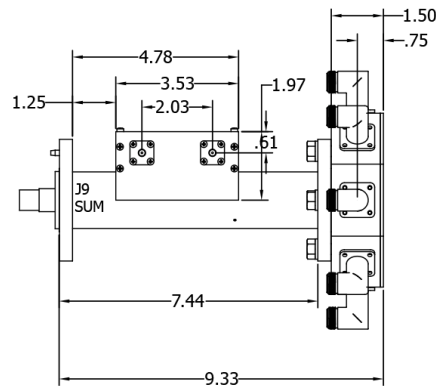
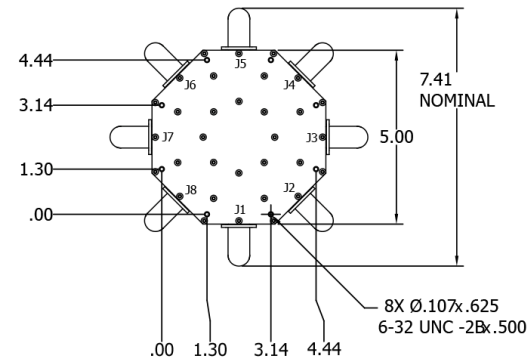
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REVISION HISTORY			
REV	REVISION RECORD	DATE	APPROVED
A	INITIAL RELEASE	5/25/2012	BW
B	ECN 7604	11/9/2012	BW
B	ECN 7971	2/20/2013	BW



FOR REFERENCE ONLY



UNLESS OTHERWISE SPECIFIED		DWN	DATE	11/26/2012		 WERLATONE SINCE 1965		17 Jon Barrett Rd Patterson, NY 12563	
• INTERPRET DRAWING LAW PER ASME Y14.5M-2009		CHK	DATE			 WERLATONE SINCE 1965			
• DIMENSIONS ARE IN INCHES		ENGR	DATE						
• DIMENSIONAL LIMITS APPLY BEFORE PROCESSING		MPGR	DATE						
• TOLERANCES: ANGLES ±2°		QA	DATE						
• REMOVE ALL BURRS AND SHARP EDGES		RLSE	DATE			OUTLINE, 8WAY			
• CONCENTRICITY MACHINED DIA: .002 FIM									
• MACHINE TOOL MISMATCH .003 MAX						SIZE CASE CODE DWN NO		REV	
THIRD ANGLE PROJECTION						B 2881220958-500		B	
						SCALE		SHEET 1 OF 1	

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