

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.



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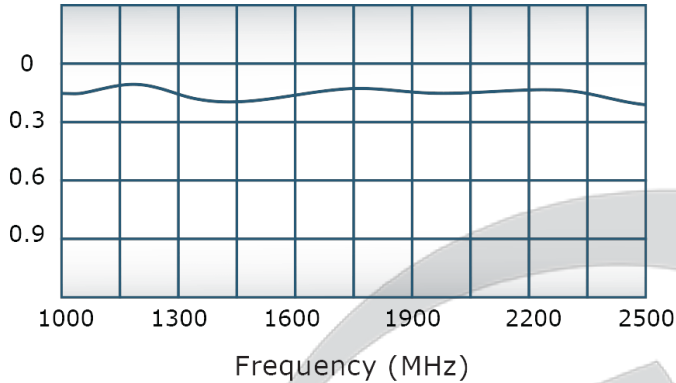
Model D9710

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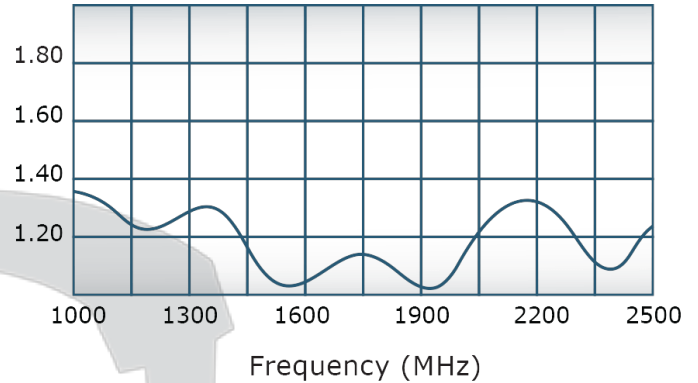
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Performance Data (Specifications subject to change without notice):

Insertion Loss:



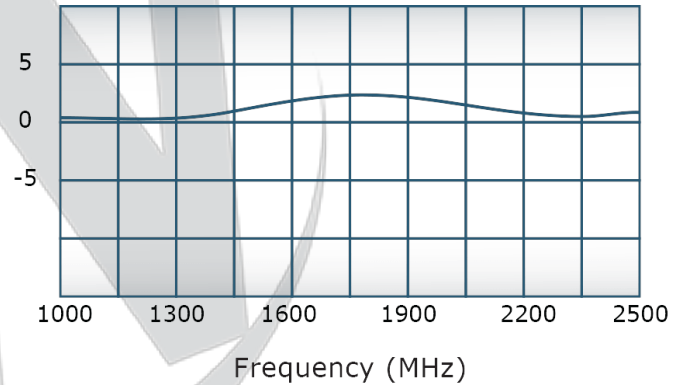
VSWR:



Since 1965:



Phase Balance:

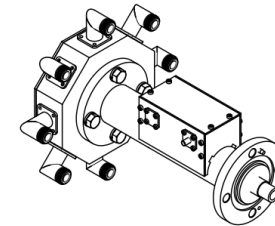
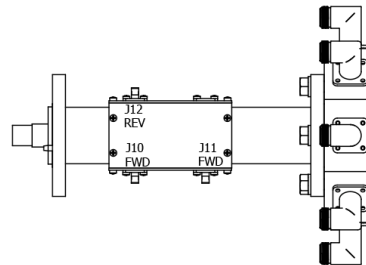


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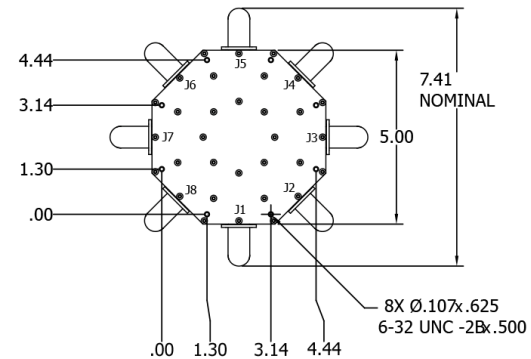
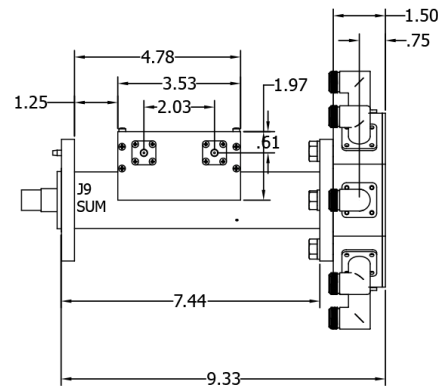
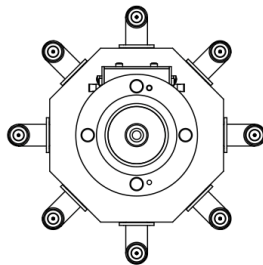
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REVISION HISTORY			
REV	REVISION RECORD	DATE	APPROVED
A	INITIAL RELEASE	5/25/2012	BW
B	ECN 7604	11/9/2012	BW
B	ECN 7971	2/20/2013	BW



FOR REFERENCE ONLY



		UNLESS OTHERWISE SPECIFIED		DWGN	DATE	 WERLATONE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563		
		• INTERPRET DRAWING LAW MIL-STD-100 • DIMENSIONING PER ASME Y14.5M-2009 • PARALLELISM INFO FOR REF ONLY • DIMENSIONS ARE IN INCHES • DIMENSIONAL LIMITS APPLY BEFORE PROCESSING • TOLERANCES: ANGLES ±2° 3 PL ±.005 2 PL ±.015 • REMOVE ALL BURRS AND SHARP EDGES R.02 MAX • CONCENTRICITY MACHINED DIA: .002 FIM • MACHINE TOOL MISMATCH .003 MAX THIRD ANGLE PROJECTION		CHK	DATE				
				ENGR	DATE	OUTLINE, 8WAY			
				INPR	DATE				
				QA	DATE	SIZE	CAGE CODE	DWG NO	REV
				RLSE	DATE	B	2881220958-500		B
						SCALE	SHEET 1 OF 1		

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