Model D9710
Combiners In-Phase Connectorized Radial

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:	± 5° 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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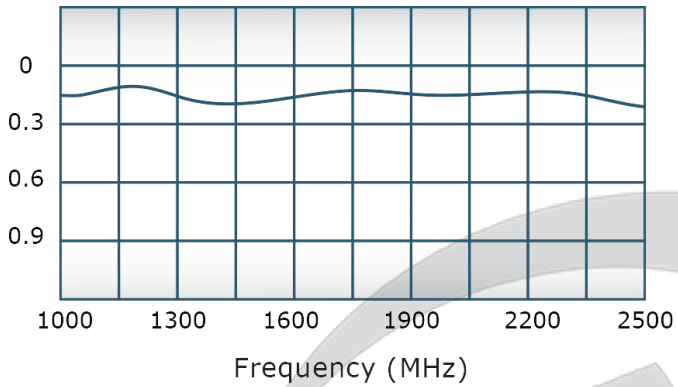
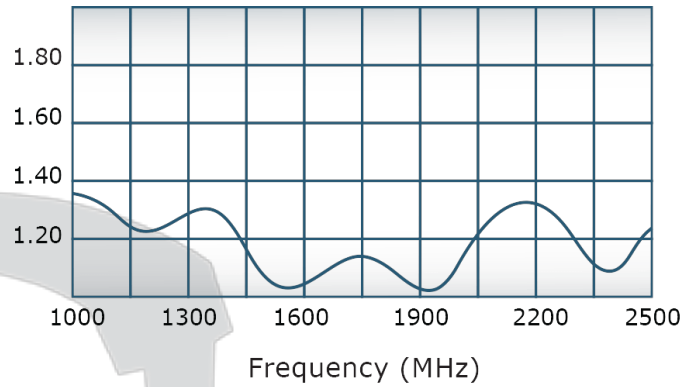
Performance Data (Specifications subject to change without notice):

Insertion Loss:

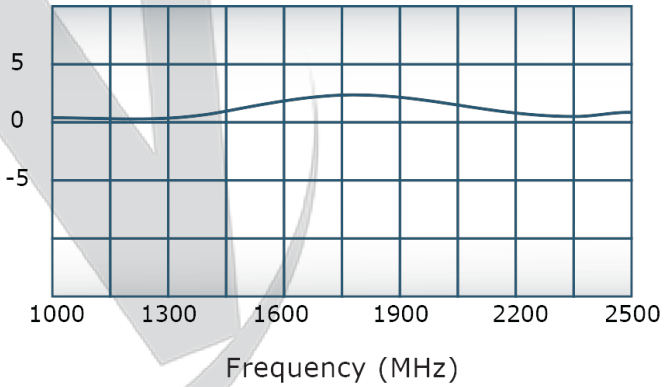


VSWR:



Since 1965:

Phase Balance:



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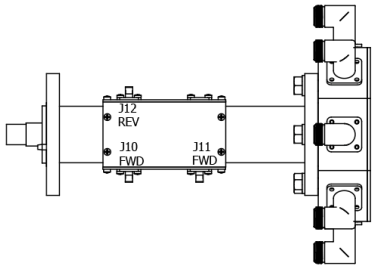
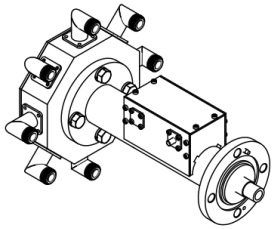
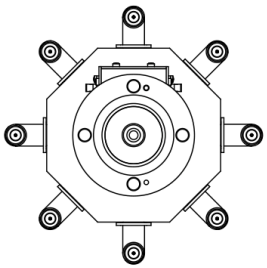
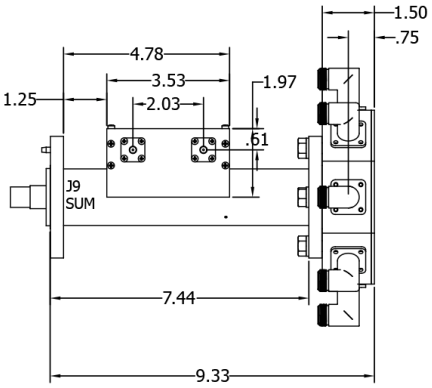
REVISION HISTORY			
REV	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	5/25/2012	BW
A	ECN 7604	11/9/2012	BW
B	ECN 7971	2/20/2013	BW

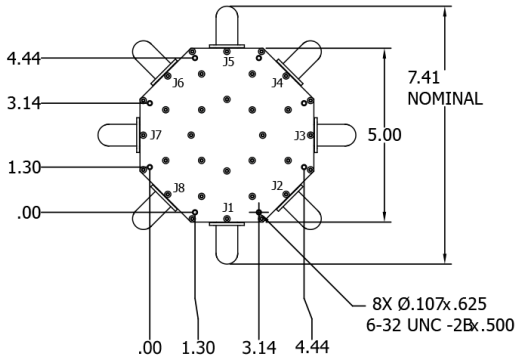




FOR REFERENCE ONLY







NEXT ASSY	USED ON	UNLESS OTHERWISE SPECIFIED	DWN	DATE	WERLATONE SINCE 1965 — 17 Jon Barrett Rd Patterson, NY 12563
APPLICATION		• INTERPRET DRAWING IAW MIL-STD-100 • DIMENSIONING PER ASME Y14.5M-2009 • PARANTHETICAL INFO FOR REF ONLY • DIMENSIONS ARE IN INCHES • DIMENSIONAL LIMITS APPLY BEFORE PROCESSES • TOLERANCES: ANGLES ±2° 3 PL ± .005 2 PL ± .015 • REMOVE ALL BURRS AND SHARP EDGES R.01 MAX • CONCENTRICITY MACHINED DIA: .002 FIM • MACHINE TOOL MISMATCH .003 MAX	ppoildoro	11/26/2012	TITLE: OUTLINE, 8WAY
			CHK	DATE	
			ENGR	DATE	
			MFGR	DATE	SIZE: B — CAGE CODE: 28812 — DWG NO: 20958-500 — REV: B
		THIRD ANGLE PROJECTION	QA	DATE	
			RLSE	DATE	SCALE — SHEET 1 OF 1

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