

PRODUCT DATA SHEET

D9939

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 Isolation Custom Designs Available

Electrical Specifications:

Frequency: 1000 - 2500 MHz
Power: 200 W CW
Insertion Loss: 0.5 dB Max.
VSWR: 1.40:1 Max.
Phase Balance: $\pm 4^\circ$ Max.
Amplitude Balance: 0.3 dB Max.
Isolation: 8 dB Reflective

Mechanical Specifications:

Type: Connectorized
Material: Aluminum 6061-T6
Surface Finish: Chem. Film Per MIL-DTL-5541F Type II Class 3 (Trivalent) RoHS Compliant Available
Operating Temperature: -55°C to +75°C
Storage Temperature: -60°C to +85°C
Size: 4.75 x 2.3 x 1.1"

Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2-J9)
D9939-12	N Female	SMA Female

Electrical Specifications updated 23 March 2020.

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.

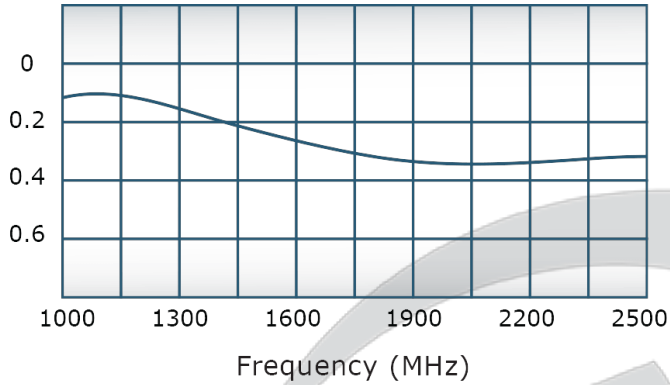


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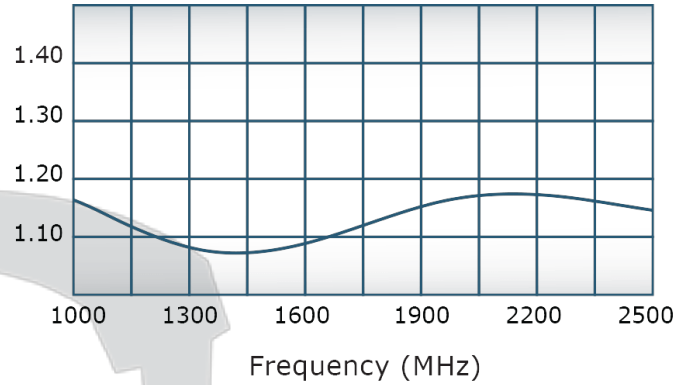
D9939

Performance Data (Specifications subject to change without notice):

Insertion Loss:



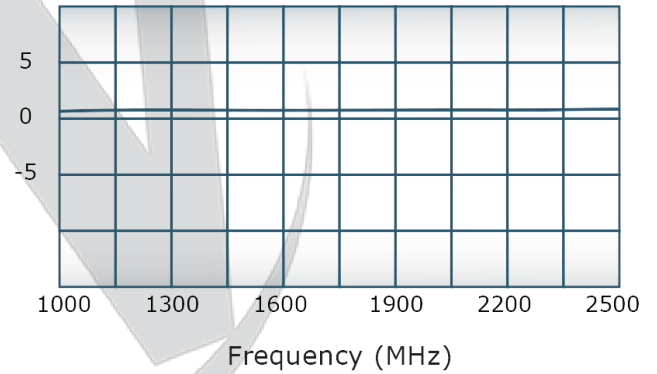
VSWR:



For In-Building Applications:



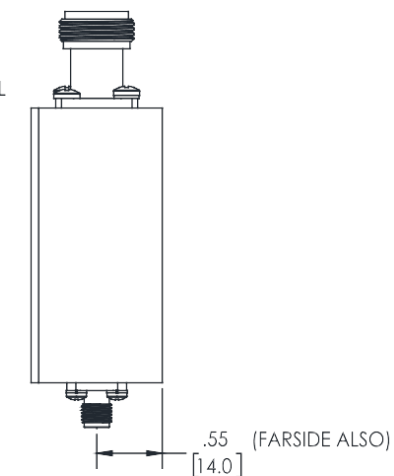
Phase Balance:



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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	3/27/2020	BW

1. MATERIAL: ALUMINUM 6061-T6
2. SURFACE FINISH: CHEM FILM PER MIL-DTL-5541F TYPE II, CLASS 3 (TRIVALENT)
3. CONNECTORS: J1 : N FEMALE
J2-J9 : SMA FEMALE

		UNLESS OTHERWISE SPECIFIED		OWN	DATE	 WERLATON SINCE 1965	17 Jon Barretd Rd Patterson, NY 12568			
NEXT ASSY USED ON	APPLICATION	* INTERPRET DRAWING LAMP MIL-STD-130 * DIMENSIONING PER ASME Y14.5-2009 * DIMENSIONAL UNITS FOR FIN ONLY * DIMENSIONS ARE IN INCHES (mm) * DIMENSIONAL UNITS APPLY BEFORE PROCESSES * TOLERANCES: ANGLES ± ° 2 P.C. ± .003 [3] 2 P.C. ± .015 [3] * REMOVE ALL BURRS AND SHARP EDGES 0.01 MAX * CONCENTRICITY MACHINED DIA. .002 FIM * MACHINE TOOL REPERFOR .001 MAX		GP	3/27/2020		D9939-12 8-WAY COMBINER/DIVIDER	SIZE CASE CODE DWG NO B 28812 21178-500	REVISION SCALE 1:1	SHEET 1 OF 1
		CHK	DATE							
		CS	3/27/2020							
		ENVR	DATE							
		APPR	DATE							
		QA	DATE							
		BLDG	DATE							
		BW	3/27/2020							

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