



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:	± 4° 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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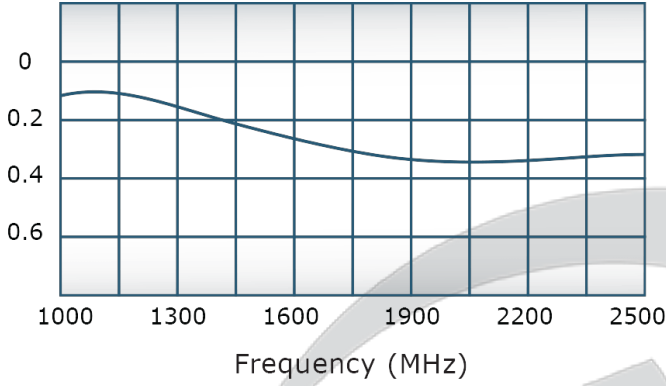
Werlatone, Inc.

Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

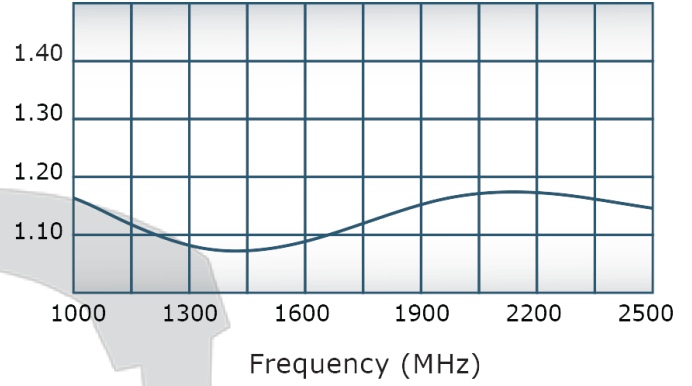


Performance Data (Specifications subject to change without notice):

Insertion Loss:



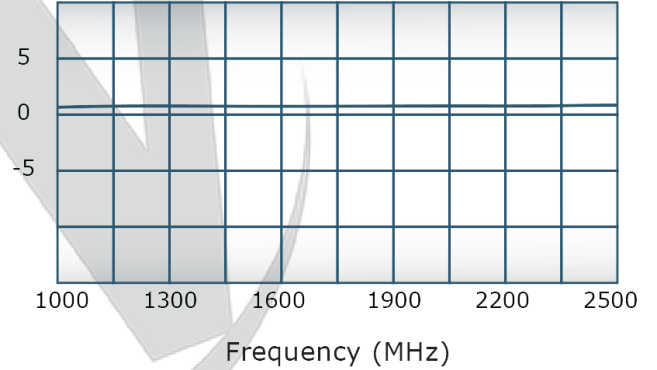
VSWR:



For In-Building Applications:



Phase Balance:



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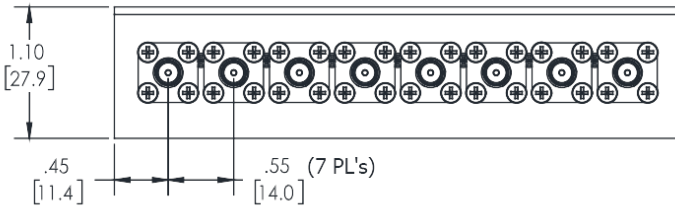
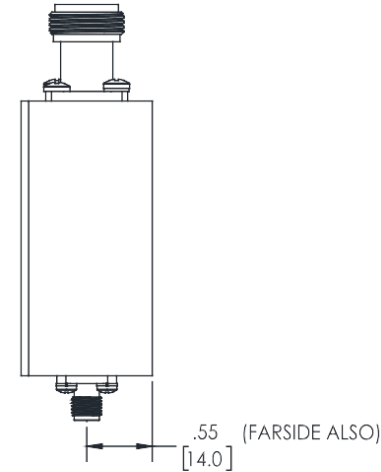
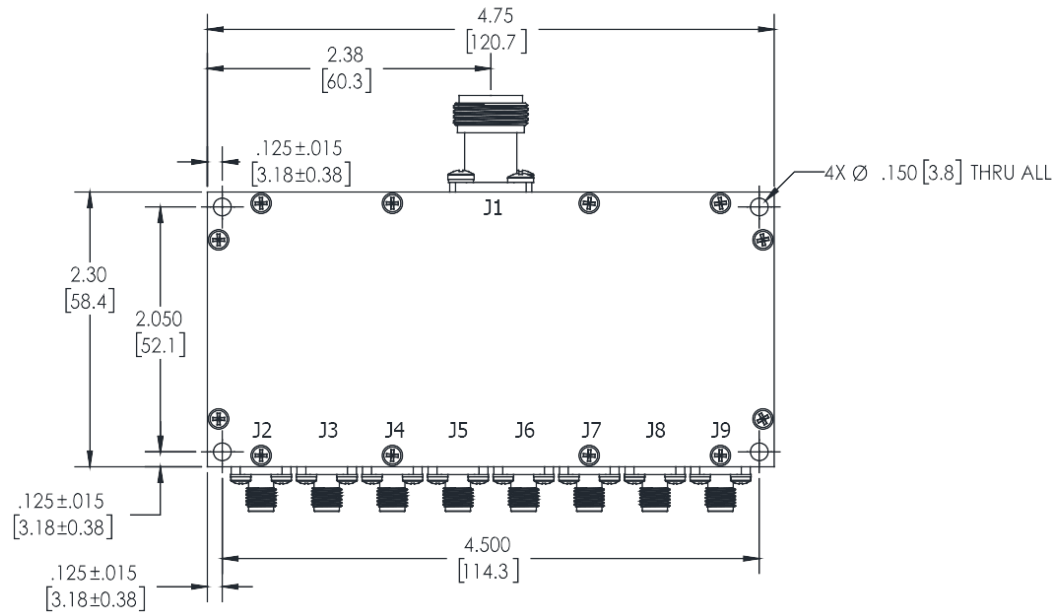
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REVISION HISTORY

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



NOTES: UNLESS OTHERWISE SPECIFIED

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

UNLESS OTHERWISE SPECIFIED		OWN	DATE	WERLATONE SINCE 1965 17 Jon Barrett Rd Patterson, NY 12563
<ul style="list-style-type: none"> • INTERPRET DRAWING LAW MIL-STD-100 • DIMENSIONING PER ASME Y14.5M-2009 • PARENTHETICAL DIMS FOR REF ONLY • DIMENSIONS ARE IN INCHES (mm) • DIMENSIONAL LIMITS APPLY BEFORE PROCESSES • TOLERANCES: ANGLES ± .2° 2 PL. ± .015 (1.3) 2 PL. ± .015 (1.3) • REMOVE ALL BURRS AND SHARP EDGES R.00 MAX • CONCENTRICITY FRACTURED DIA: .002 FIM • MACHINE TOOL REPEAT: .003 MAX 		GP	3/27/2020	
		CHK	DATE	TITLE D9939-12 8-WAY COMBINER/DIVIDER
		ENGR	3/27/2020	
		MFR	DATE	SIZE CAGE CODE DWG NO B 28812 21178-500
		QA	DATE	
		RELSE	DATE	SCALE 1:1
		BW	3/27/2020	
APPLICATION		THIRD ANGLE PROJECTION		SHEET 1 OF 1

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