Model D9939
Combiners In-Phase Connectorized

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.

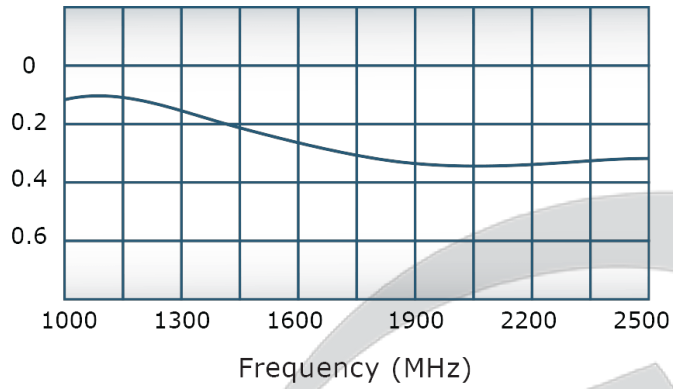
Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of Werlatone, Inc.
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

Werlatone, Inc.All Rights Reserved

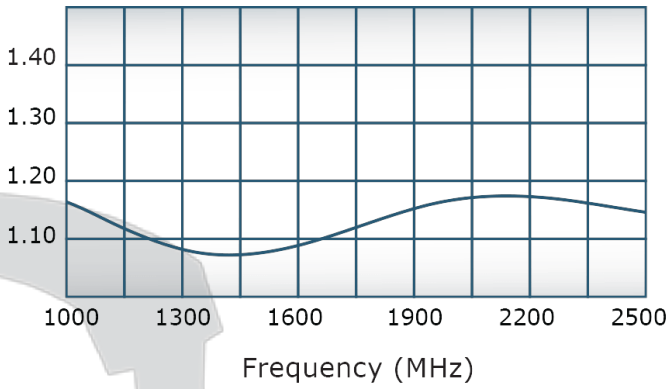
PRODUCT DATA SHEET **D9939**

Performance Data (Specifications subject to change without notice):

Insertion Loss:



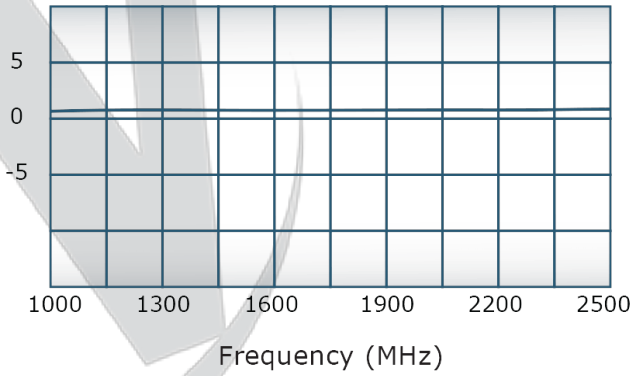
VSWR:



For In-Building Applications:



Phase Balance:

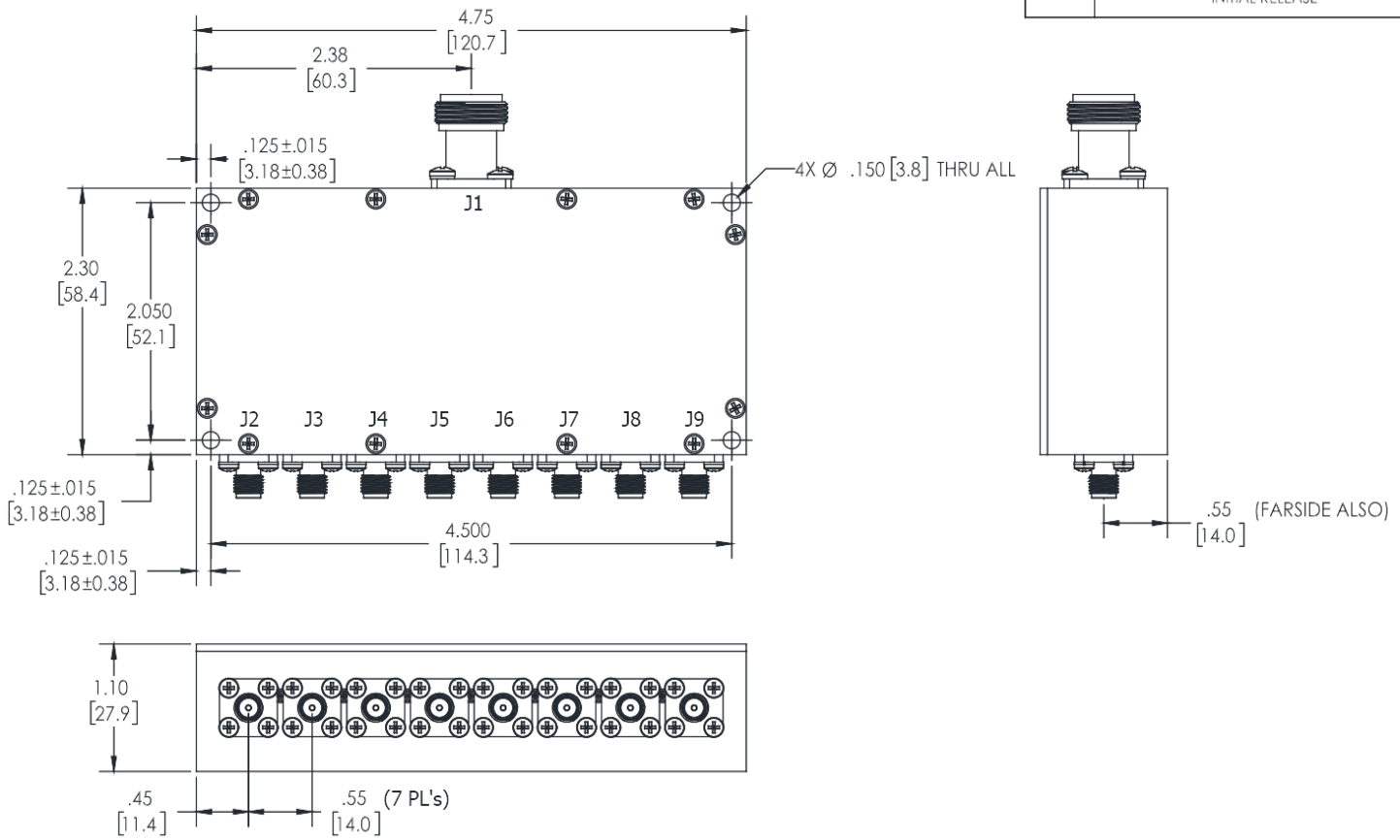


Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of Werlatone, Inc.
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

Werlatone, Inc.All Rights Reserved

RESTRICTION ON USE, DUPLICATION OR
DISCLOSURE OF PROPRIETARY INFORMATION
This document contains proprietary information
which is the sole property of Werlatone, Inc.

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



NOTES: UNLESS OTHERWISE SPECIFIED

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	DWN GP	3/27/2020	WERLATONE SINCE 1965 — 17 Jon Barrett Rd Patterson, NY 12563
		• INTERPRET DRAWING IAW MIL-STD-100 • DIMENSIONING PER ASME Y14.5M-2009 • PARENTHETICAL INFO FOR REF ONLY • DIMENSIONS ARE IN INCHES [mm] • DIMENSIONAL LIMITS APPLY BEFORE PROCESSES • TOLERANCES: ANGLES ± 2° 2 PL ± .005 [.13] 2 PL ± .015 [.38] • REMOVE ALL BURRS AND SHARP EDGES R.01 MAX • CONCENTRICITY MACHINED DIA: .002 FIM • MACHINE TOOL MISMATCH .003 MAX	CHK CS	3/27/2020	TITLE: D9939-12 8-WAY COMBINER/DIVIDER
			ENGR GP	3/27/2020	
			MFGR		SIZE B | CAGE CODE 28812 | DWG NO 21178-500 | REV -
	D9939-12		QA		
NEXT ASSY	USED ON		RLSE BW	3/27/2020	SCALE 1:1 | SHEET 1 OF 1
APPLICATION		THIRD ANGLE PROJECTION			

Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of 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