
**PRODUCT DATA SHEET**
**D9399**

**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:	850 - 860 MHz
Power:	100 W CW
Insertion Loss:	0.4 dB Max.
VSWR:	1.20:1 Max.
Phase Balance:	± 3° Max.
Amplitude Balance:	0.2 dB Max.
Isolation:	Non-Isolated

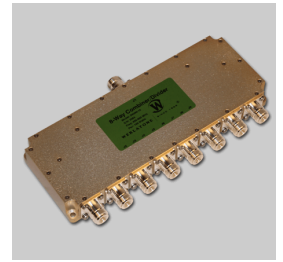
**Mechanical Specifications:**

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
Size:	9.5 x 3.5 x 1.125"

**Connector Configurations:**

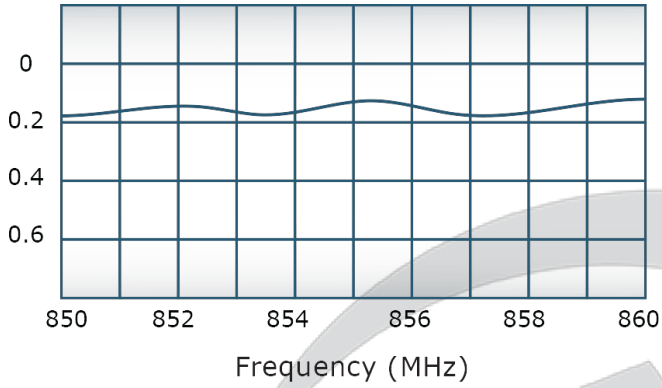
Model	Sum Port (J9)	Input/Output (J1-J8)
D9399-10	N Female	N Female

**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.

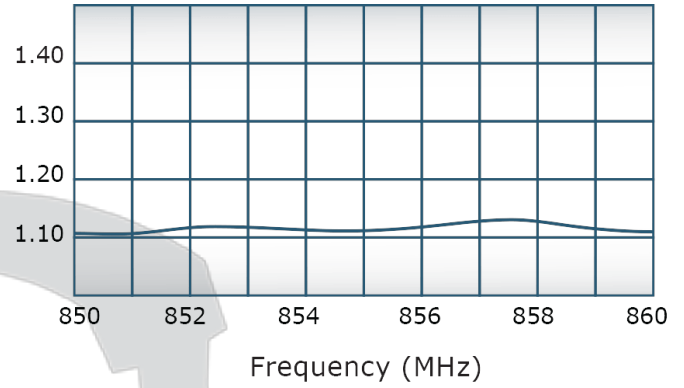


## Performance Data (Specifications subject to change without notice):

Insertion Loss:



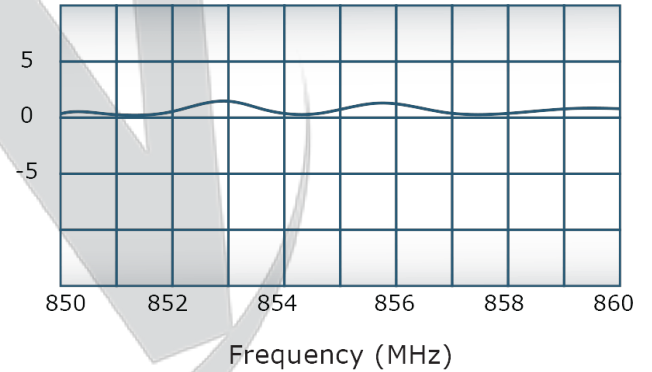
VSWR:



For In-Building Applications:



Phase Balance:



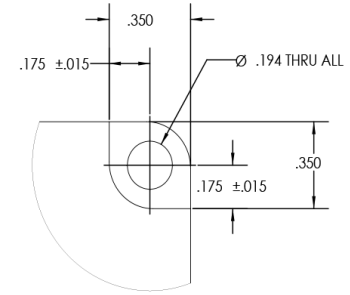
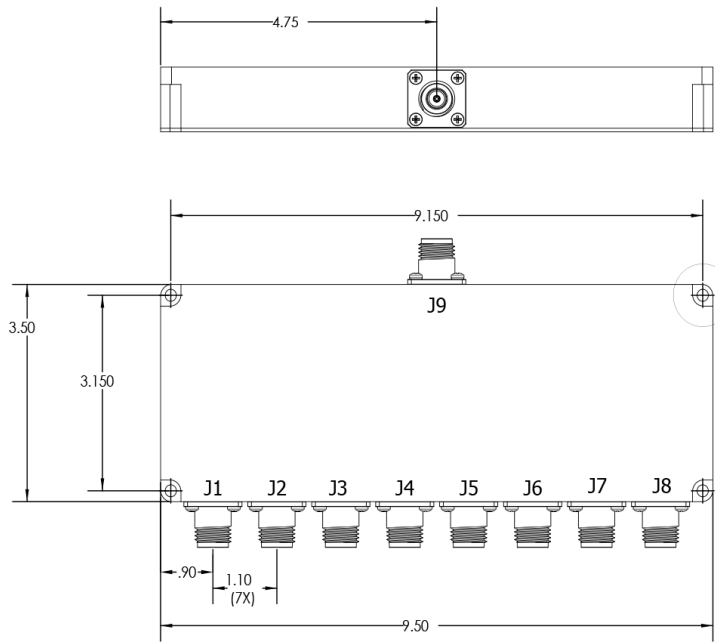
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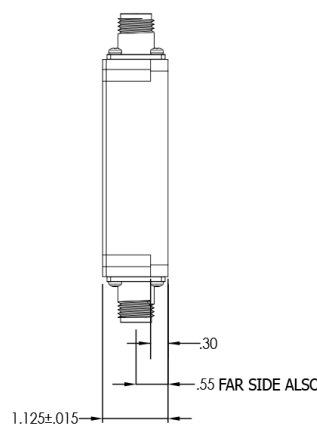
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

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REVISIONS			
REV.	REVISION RECORD	DATE	APPROVED
-	PRE-RELEASE	6/5/2012	BW



DETAIL A  
SCALE 2 : 1



UNLESS OTHERWISE SPECIFIED		OWN	DATE	WERLATONE SINCE 1965 17 Jon Barrett Rd Patterson, NY 12563
INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100		CP	6/5/2012	
DIMENSIONS ARE PER ASME Y14.5M-2009		CHK	DATE	TITLE
DIMENSIONS ARE IN INCHES		PR	6/5/2012	
DIMENSIONAL UNITS APPLY BEFORE PROCESSES		ENGR	DATE	SIZE CAGE CODE DWG NO <b>B 28812 20907-500</b>
TOLERANCES:		CP	6/5/2012	
ANGLES = 3°		MPGR	DATE	REV
3 RL ± .005		QA	DATE	
2 PL ± .015		RESE	DATE	-
APPLICATION		THIRD ANGLE PROJECTION		SCALE 1:2
20907-300 REV-	D9399			SHEET 1 OF 1
NEXT ASSY	USED ON			

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