

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"

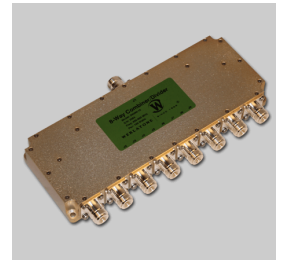
Connector Configurations:

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.

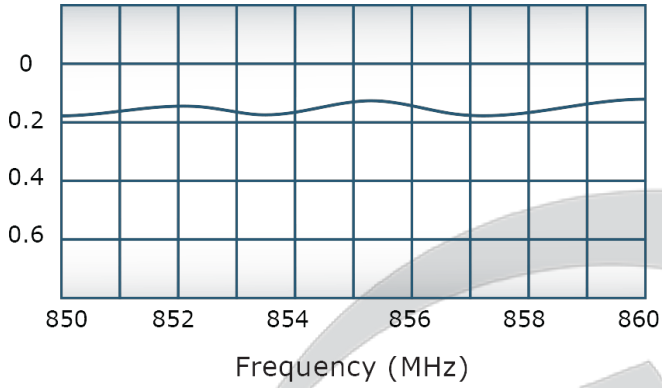
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Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

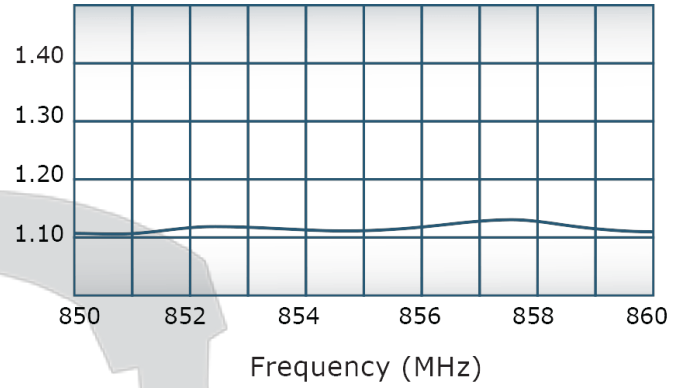


Performance Data (Specifications subject to change without notice):

Insertion Loss:



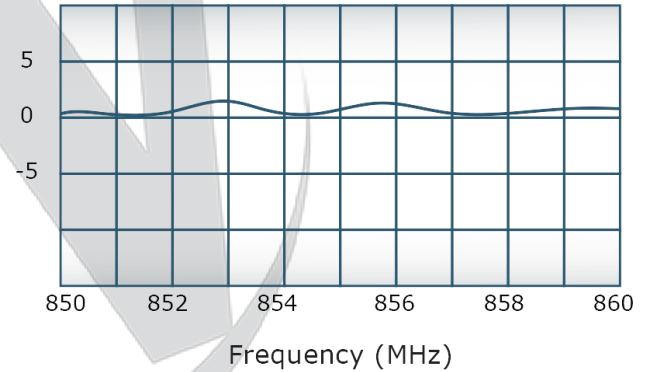
VSWR:



For In-Building Applications:



Phase Balance:



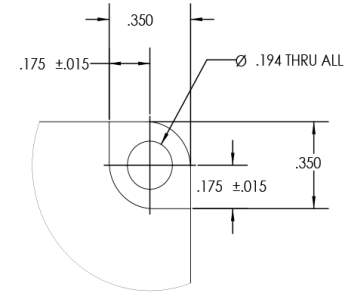
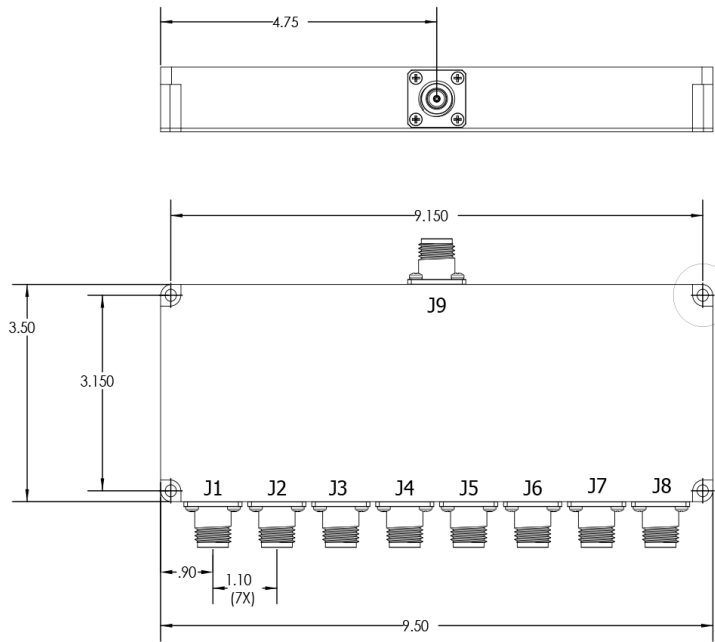
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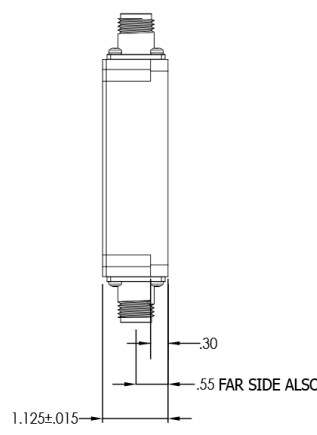
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REVISIONS			
REV.	REVISION RECORD	DATE	APPROVED
-	PRE-RELEASE	6/5/2012	BW



DETAIL A
SCALE 2 : 1



UNLESS OTHERWISE SPECIFIED		DATE	6/5/2012	17 Jon Barrett Rd Patterson, NY 12563
INTERSPRT DRAWING IAW MIL-STD-100	CP	DATE	6/5/2012	WERLATONE SINCE 1965
DIMENSIONS PER ASME Y14.5M-2009	CHK	DATE	6/5/2012	
ISOMETRIC DIMENSIONS FOR REF ONLY	PR	DATE	6/5/2012	TITLE
DIMENSIONS ARE IN INCHES	ENG	DATE	6/5/2012	CP
DIMENSIONAL UNITS APPLY BEFORE PROCESSES	CP	DATE	6/5/2012	MPGR
TOLERANCES:	QA	DATE		SCALE
ANGLES = 3°	RELE	DATE		1:2
3 RL ± .005				SIZE
2 PL ± .015				B
20907-300 REV- D9399				CAGE CODE
NEXT ASSY USED ON				28812
APPLICATION				DWG NO
				20907-500
				REV
				-
				SHEET 1 OF 1

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