

PRODUCT DATA SHEET

D9392

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 High Isolation Custom Designs Available

Electrical Specifications:

Frequency: 500 - 2500 MHz
 Power: 500 W CW
 Insertion Loss: 0.3 dB Max.
 VSWR: 1.35:1 Max.
 Phase Balance: $\pm 5^\circ$ Max.
 Amplitude Balance: 0.3 dB Max.
 Isolation: 15 dB Min.

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
 Weight: 13 oz.
 Size: 4.7 x 2.0 x 1.1"

Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D9392-10	N Female	N Female	N Female
D9392-12	N Female	SMA	SMA

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.



WERLATONE

Model D9392

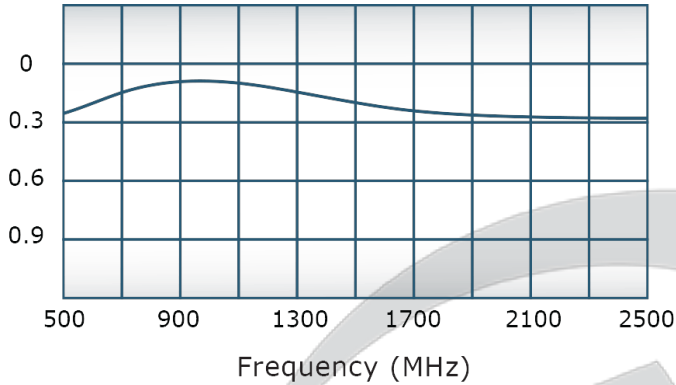


PRODUCT DATA SHEET

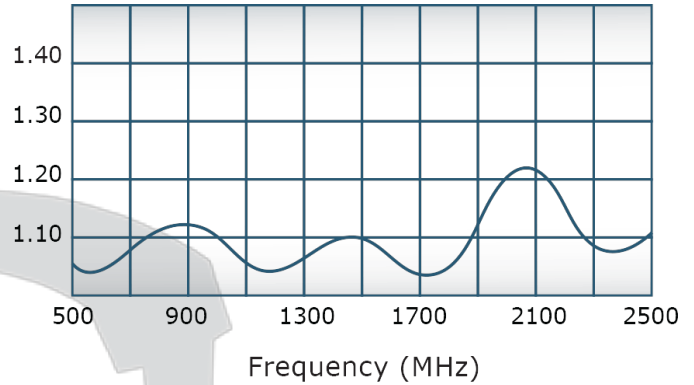
D9392

Performance Data (Specifications subject to change without notice):

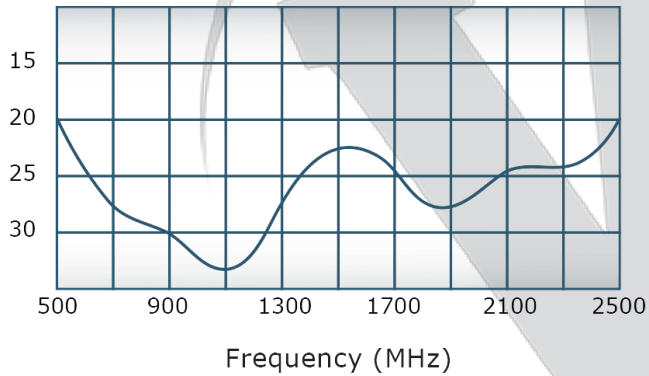
Insertion Loss:



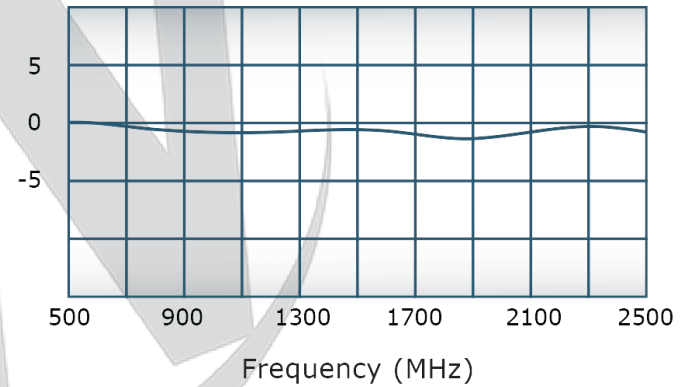
VSWR:



Isolation:



Phase Balance:



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

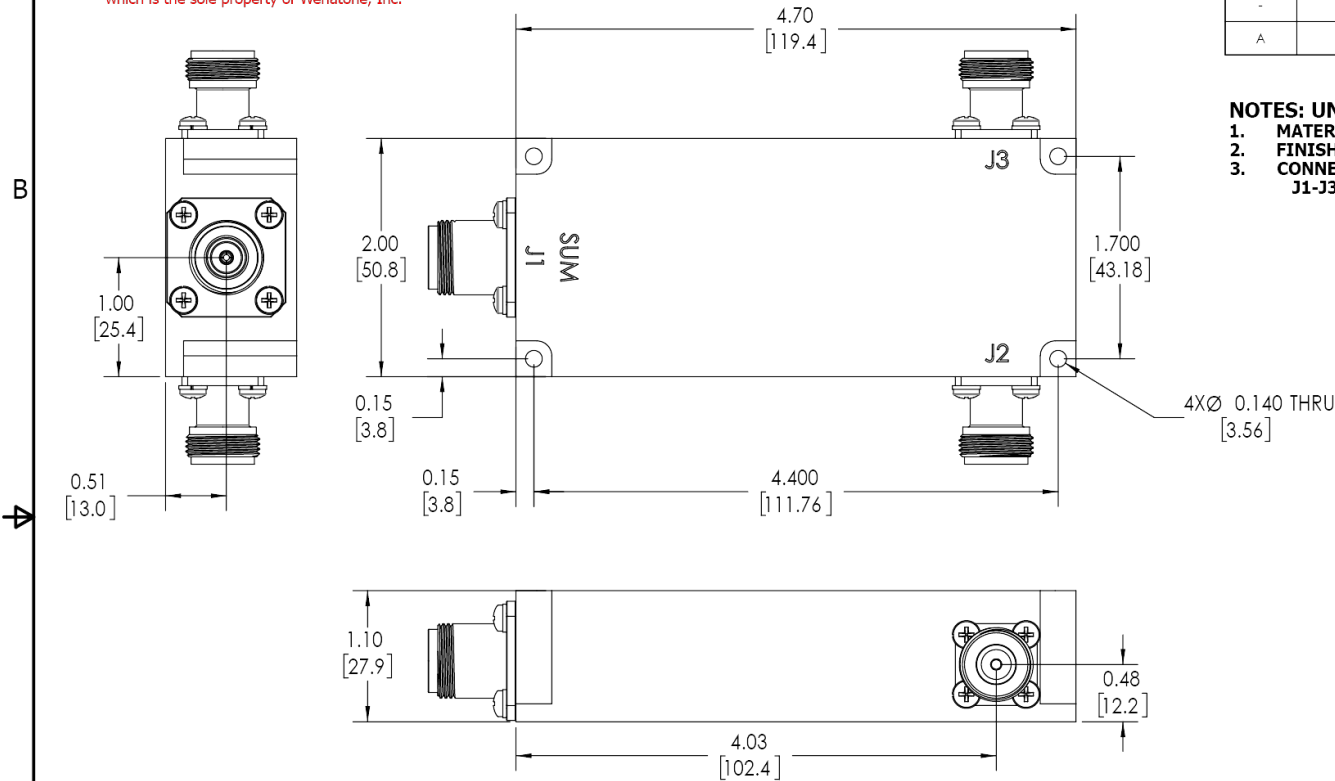
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com



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	6/20/12	CS
A	ECN 9696	4/1/2020	RB

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL: ALUMINUM 6061-T6**
- FINISH: CHEM FILM PER MIL-DTL-5541F TYPE I CLASS 3 (CLEAR IRIDITE)**
- CONNECTORS:
J1-J3: N FEMALE**



		UNLESS OTHERWISE SPECIFIED		OWN	DATE			17 Jon Barrett Rd	
		INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100		SD	4/1/2020		WERLATONE SINCE 1965	Patterson, NY 12563	
		DIMENSIONING PER ASME Y14.5M-2009		CHK	DATE				
		PARENTHEetical INFO FOR REF ONLY		CS	4/1/2020	TITLE			
		DIMENSIONS ARE IN INCHES		ENGR	DATE	<h1>OUTLINE</h1>			
		DIMENSIONAL LIMITS APPLY BEFORE FINISHES		INPR	DATE				
		TOLERANCES:		QA	DATE	SIZE		CAGE CODE	DWG NO
		ANGLES ± 2°		RLSE	DATE	B		20903-500	
		3 PL ± .005 [13]				SCALE		1:1	
		2 PL ± .015 [38]							
		REMOVE ALL BURRS AND SHARP EDGES R.01 MAX							
		CONCENTRICITY MACHINED DIA. .002 FIM							
		MACHINE TOOL MISMATCH .003 FIM							
NEXT ASSY		USED ON						REV	
APPLICATION		THIRD ANGLE PROJECTION 						A	
								SHEET1 OF1	

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