



PRODUCT DATA SHEET

D8444

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: 20 - 500 MHz
Power: 25 W CW
Insertion Loss: 0.5 dB Max.
VSWR: 1.30:1 Max.
Phase Balance: $\pm 5^\circ$ Max.
Amplitude Balance: 0.2 dB Max.
Isolation: 20 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: 1/4 lb.
Size: 2.1 x 1.3 x 0.8"

Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D9090-102RT	SMA Right Angle	SMA Right Angle	SMA Right Angle
D9090-102	SMA	SMA	SMA



WERLATONE

Model D8444

Combiners In-Phase Connectorized

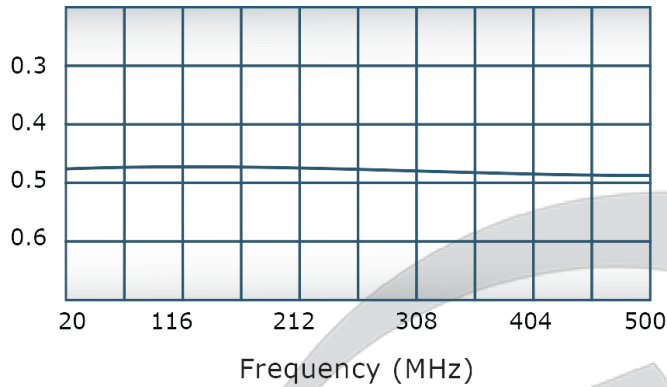


PRODUCT DATA SHEET

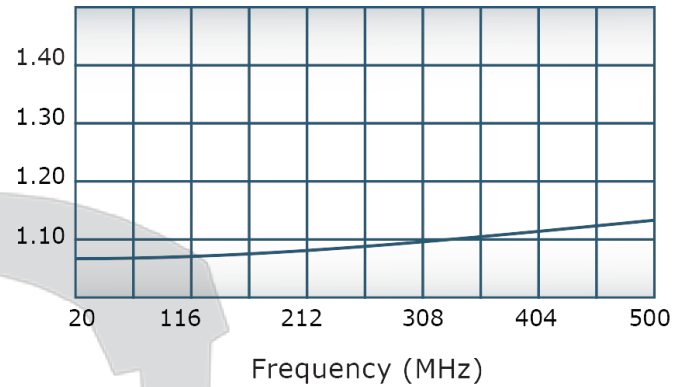
D8444

Performance Data (Specifications subject to change without notice):

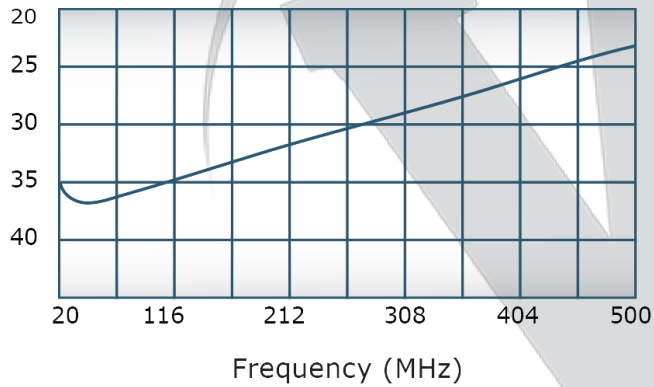
Insertion Loss:



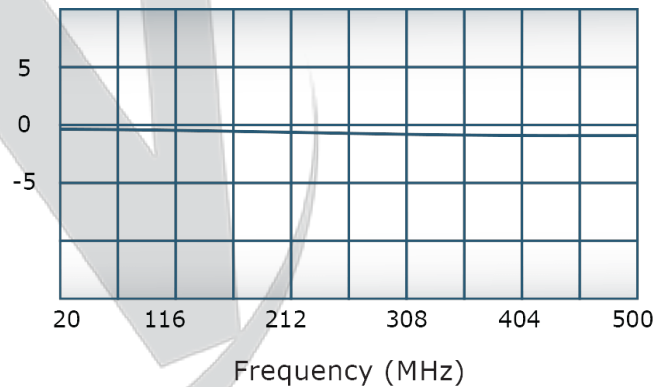
VSWR:



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.

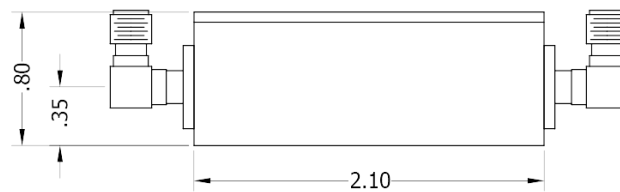
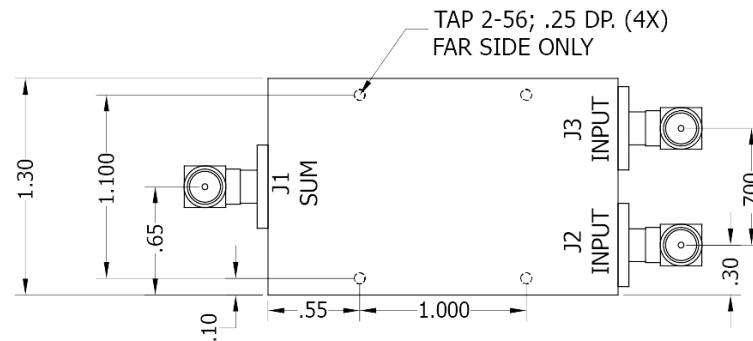
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

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

REVISION HISTORY					
DATE	REV	REVISION RECORD	AUTH	CHK	APPV
8/20/09	-	INITIAL RELEASE	NH	BW	BW

NOTES:

1. MATERIAL: ALUMINUM 6061-T6
2. FINISH: CHEM FILM PER MIL- DTL- 5541F (YELLOW IRIDITE)
3. CONNECTORS: SMA RIGHT ANGLE (Female)



UNLESS OTHERWISE SPECIFIED				DWN	DATE	 WERLATONE SINCE 1965		2095 Route 22 Brewster, NY 10509			
A	* INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100				CHK	DATE	TITLE		OUTLINE		
	* DIMENSIONING PER ASME Y14.5M-2009										
	* DIMENSIONAL LIMITS APPLY BEFORE PROCESSES				ENGR	DATE	USED ON				
	* TOLERANCES: ANGLES ± 2°				NH	8/20/2009	D8444 - 102RT				
	.XXX ± .005				MPGR	DATE					
.XX ± .015				BW	8/20/2009	SIZE		CAGE CODE	DWG NO	REV	
* HOLE TOLERANCES ± .004/- .001				CA	DATE	28812		20540-500			
* REMOVE ALL BURRS AND SHARP EDGES .01 R MAX				BW	8/20/2009						
* CONCENTRICITY MACHINED DIA1 .002 FIM											
* MACHINE TOOL MISMATCH .003 MAX				RLSE	DATE						
THIRD ANGLE PROJECTION						SCALE		1:1		SHEET 1 OF 1	

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