



PRODUCT DATA SHEET

D9440

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: 80 - 1000 MHz
 Power: 1000 W CW
 Insertion Loss: 0.65 dB Max.
 VSWR: 1.35:1 Max.
 Phase Balance: $\pm 5^\circ$ Max.
 Amplitude Balance: 0.3 dB Max.
 Isolation: 15 dB Min.

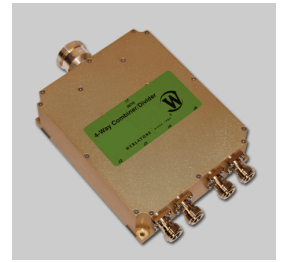
Mechanical Specifications:

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: 3 lbs. 12 oz.
 Size: 5.7 x 4.7 x 1.75"

Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2-J5)
D9440-10	N Female	N Female
D9440-12	N Female	SMA
D9440-20	7/16 Female	N Female
D9440-22	7/16 Female	SMA
D9440-41	SC 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.

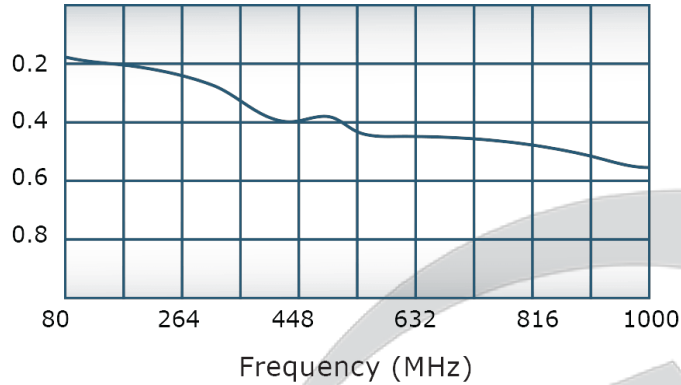


PRODUCT DATA SHEET

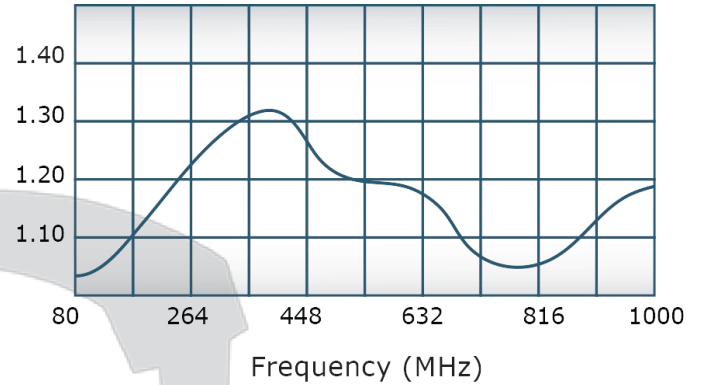
D9440

Performance Data (Specifications subject to change without notice):

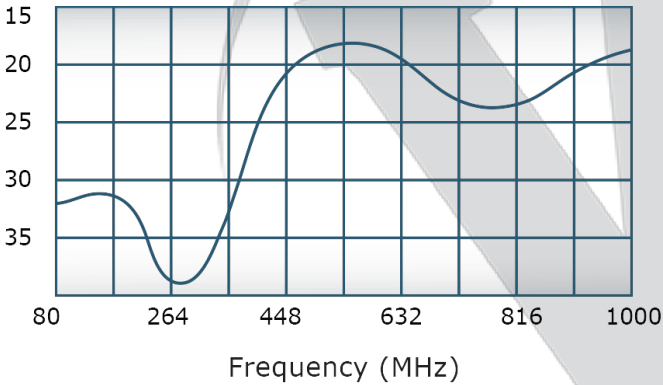
Insertion Loss:



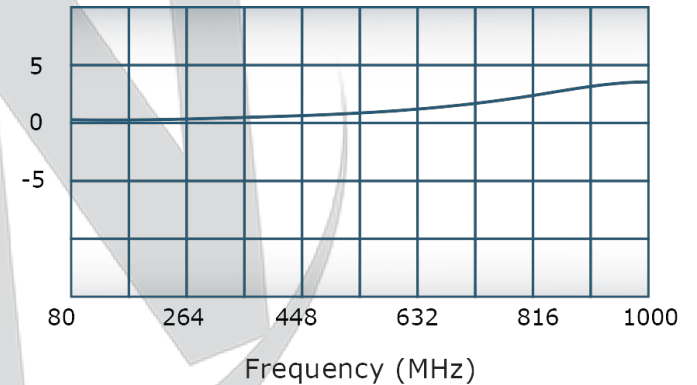
VSWR:



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.

DATE 7/28/11
REV A
3/28/13
12/14/15

REVISION HISTORY
REVISION RECORD
INITIAL RELEASE
8/96
9/15

AUTH PR
CHK PR
APPV PR

1

4 3 2 1

0.850
2.35

5.70
5.400
1.150
1.150
4.400
4.70

11 SUM
12 13 14 15

1.75
0.87
0.77
1.66
3.04
3.93
0.20
8-32 CAPTIVE SCREW (4X)

UNLESS OTHERWISE SPECIFIED

* INTERIOR OF DRAWING SHOWN UNLESS NOTED
* DIMENSIONS ARE PER ASME Y14.5M-2009
* ANGLES ARE IN DEGREES
* DIMENSIONS ARE IN THICKNESS
* DIMENSIONAL UNITS APPLY BEFORE PROCESSING

* TOLERANCES

ANGLES	1°
.000	.005
.001	.015

* HOLE TOLERANCES = DIA - .001
* HOLE IS ALL SURF AND IN HOLE EDGE .01 R MAX
* CONCENTRICITY HATCHED DIA. .005 FIM
* FINISH TOOL FINISH .005 FIM

THIRD ANGLE PROJECTION

DATE 7/28/2011
PR
DATE
DATE
DATE
DATE
DATE
DATE

W WERLATONE | SINCE 1965
17 Jon Berrett Rd
Patterson, NY 12563

OUTLINE
D9075

SIZE C
CASE CODE 28812
DWG NO 20788-500

REV B

1:1

SHEET 1 OF 1

.All Rights Reserved

3