



PRODUCT DATA SHEET

D5074

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: 800 - 1000 MHz
 Power: 100 W CW
 Insertion Loss: 0.35 dB Max.
 VSWR: 1.50:1 Max.
 Phase Balance: $\pm 5^\circ$ Max.
 Amplitude Balance: 0.3 dB Max.
 Isolation: 18 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: 1.5 lbs.
 Size: 3.0 x 6.0 x 1.6"

Connector Configurations:

Model	Sum Port (J5)	Input/Output (J1-J4)
D5074-10	N Female	N Female
D5074-12	N Female	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 D5074

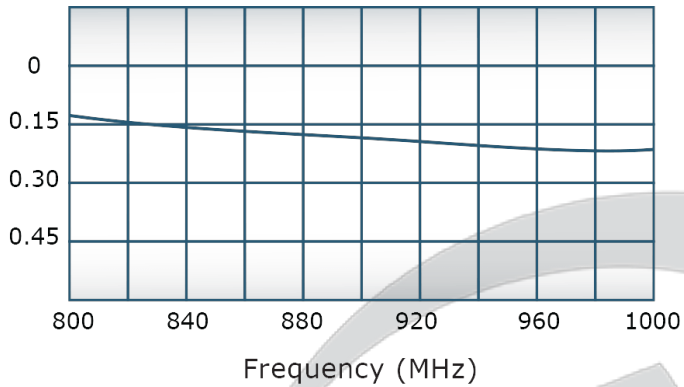


PRODUCT DATA SHEET

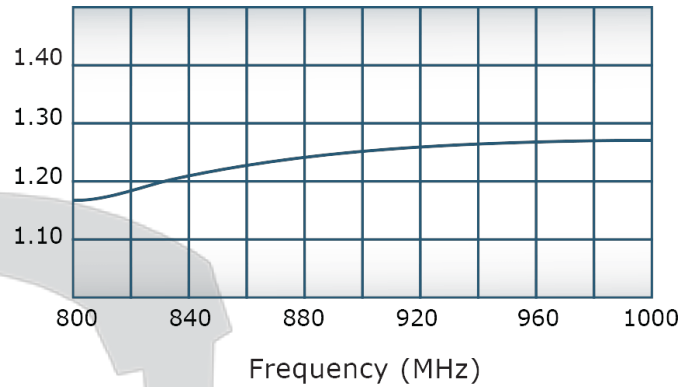
D5074

Performance Data (Specifications subject to change without notice):

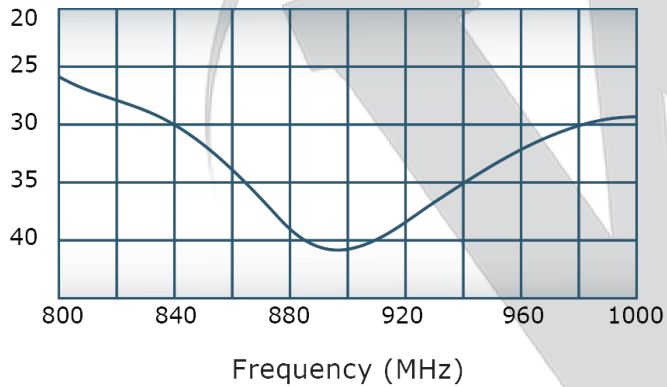
Insertion Loss:



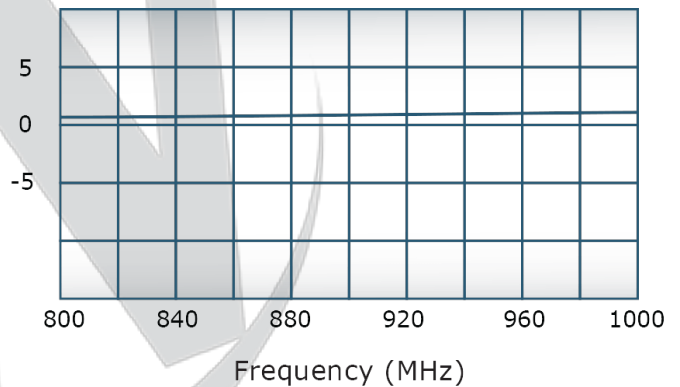
VSWR:



Isolation:

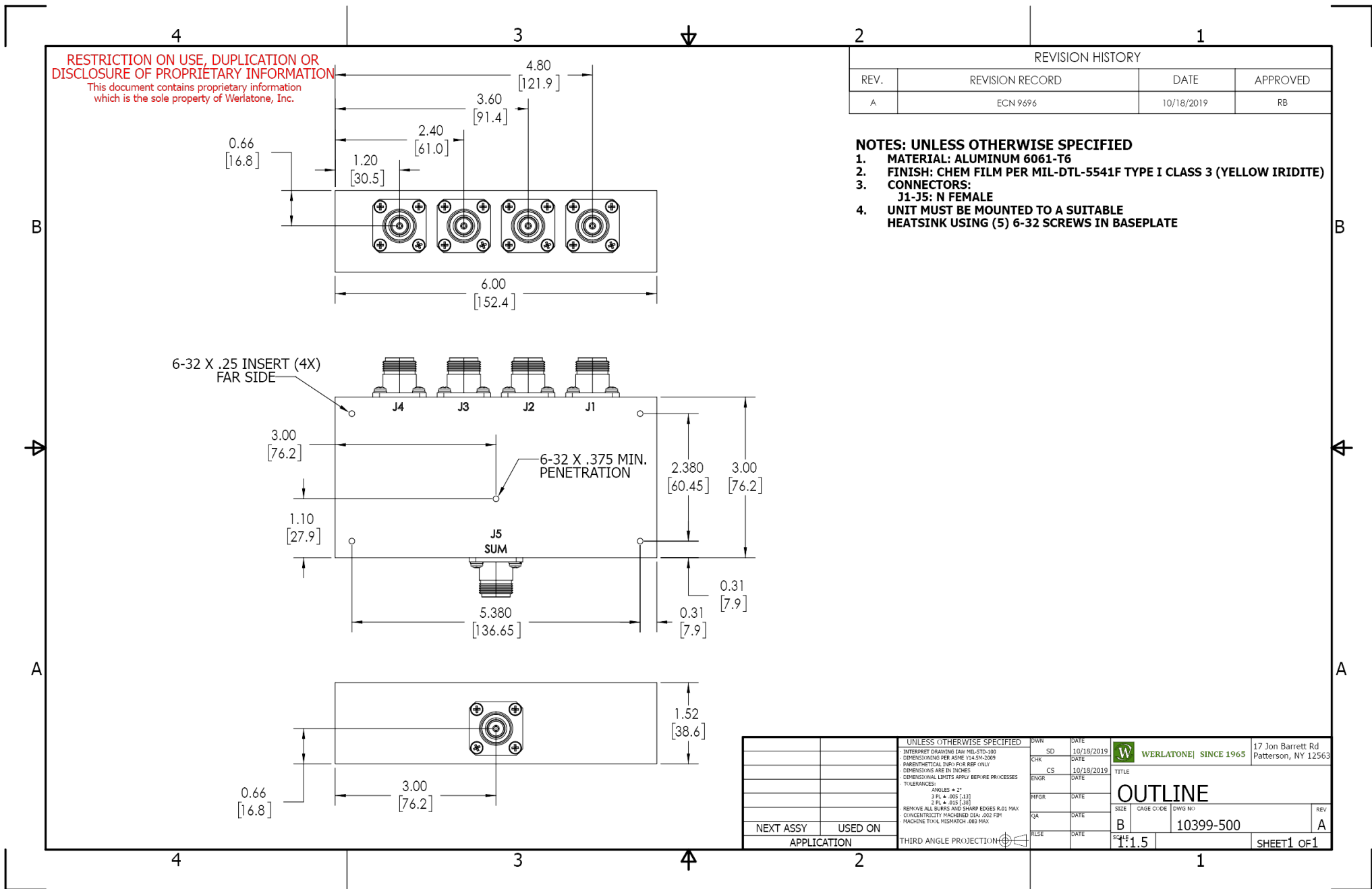


Phase Balance:



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



REVISION HISTORY

REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	10/18/2019	RB

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL: ALUMINUM 6061-T6**
- FINISH: CHEM FILM PER MIL-DTL-5541F TYPE I CLASS 3 (YELLOW IRIDITE)**
- CONNECTORS: J1-J5: N FEMALE**
- UNIT MUST BE MOUNTED TO A SUITABLE HEATSINK USING (5) 6-32 SCREWS IN BASEPLATE**

4
3
2
1

UNLESS OTHERWISE SPECIFIED

INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100
 DIMENSIONS PER ASME Y14.5M-2009
 PARENTHESES FOR FIRST REFERENCE ONLY
 DIMENSIONS ARE IN INCHES
 DIMENSIONAL LIMITS APPLY BEFORE FINISHES
 TOLERANCES:
 ANGLES ± 2°
 3 PL ± .005 [13]
 2 PL ± .015 [38]
 REMOVE ALL BURRS AND SHARP EDGES R.01 MAX
 CONCENTRICITY MACHINED DIA. .002 FIM
 MACHINE TOOL MISMATCH .003 FIM

APPLICATION

THIRD ANGLE PROJECTION

DATE

SD 10/18/2019

CHK DATE

ENGR DATE

INPR DATE

QA DATE

RLSE DATE

W **WERLATONE** SINCE 1965

17 Jon Barrett Rd
Patterson, NY 12563

TITLE

OUTLINE

SIZE **CAGE CODE** **DWG NO**

B **10399-500**

SCALE **1:1.5**

REV **A**

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