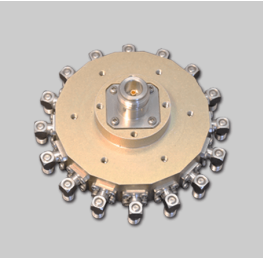
WERLATONE

Model D9194
Combiners In-Phase Connectorized Radial



**PRODUCT DATA SHEET** **D9194**

**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: | 2305 - 2360 MHz |
| Power: | 1000 W CW |
| Insertion Loss: | 0.2 dB Max. |
| VSWR: | 1.15:1 Max. |
| Phase Balance: | ± 5° Max. |
| Amplitude Balance: | 0.2 dB Max. |
| Isolation: | Non-Isolated |

**Mechanical Specifications:**

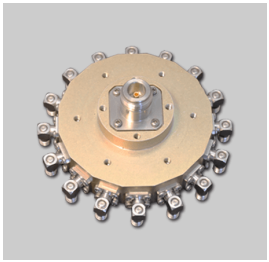
| | |
|---|---|
| Type: | Connectorized |
| Material: | Aluminum 6061-T6 |
| Surface Finish: | Chem. Film Per MIL-DTL-5541F Type II Class 3 (RoHS Compliant Film) |
| Operating Temperature: | -55°C to +75°C |
| Storage Temperature: | -60°C to +85°C |
| Size: | RADIAL 4.02 x 3.57" NOM |

**Connector Configurations:**

| **Model** | **Sum Port (J17)** | **Input/Output (J1-J16)** |
|---|---|---|
| D9194R-20 | 7/16 Female Long Barrel- Silver Plated | N Female- Silver Plated |
| D9194R-20RT | 7/16 Female Long Barrel- Silver Plated | Right Angle N Female – Silver Plated |

**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.

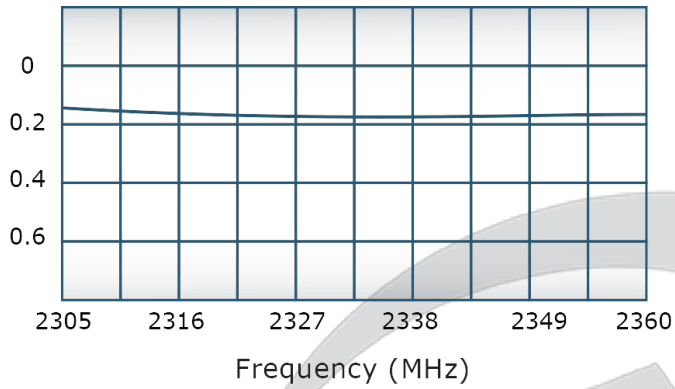

Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com



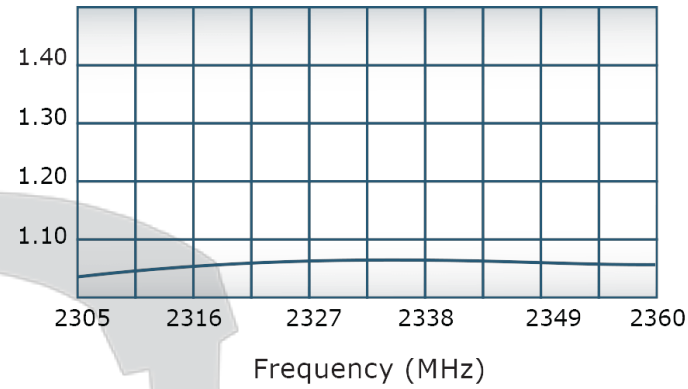


## Performance Data (Specifications subject to change without notice):

Insertion Loss:

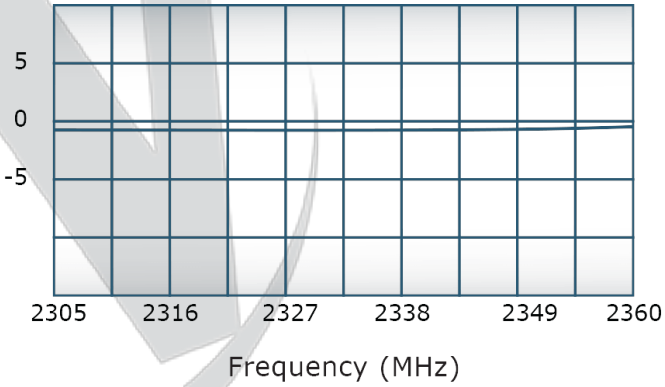



VSWR:




Since 1965:


Phase Balance:





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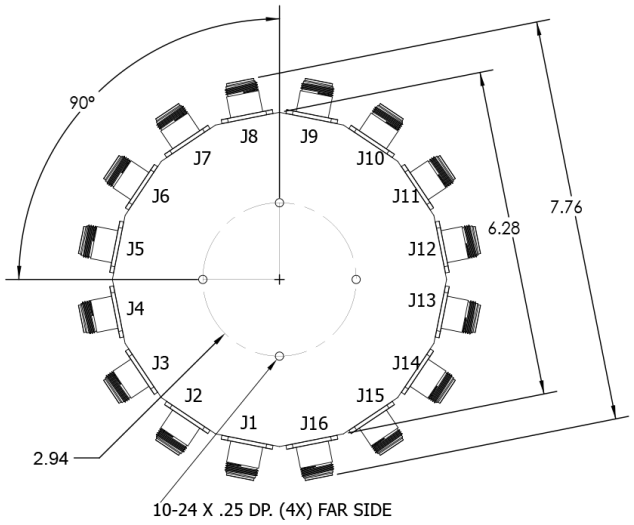
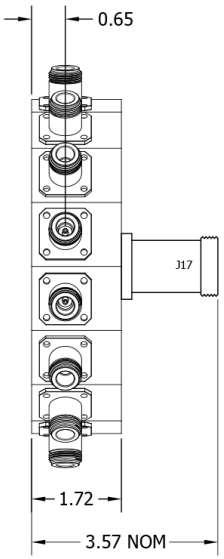
| REVISIONS | | | |
|---|---|---|---|
| REV. | REVISION RECORD | DATE | APPROVED |
| - | INITIAL RELEASE | 12/12/2012 | SC |




| | |
|---|---|
| NEXT ASSY | USED ON |
| APPLICATION | |

UNLESS OTHERWISE SPECIFIED
- INTERPRET DRAWING IAW MIL-STD-100
- DIMENSIONING PER ASME Y14.5M-2009
- PARENTHETICAL INFO FOR REF ONLY
- DIMENSIONS ARE IN INCHES
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- TOLERANCES:
  ANGLES ± 2°
  3 PL ± .005
  2 PL ± .015
- REMOVE ALL BURRS AND SHARP EDGES R.01 MAX
- CONCENTRICITY MACHINED DIA: .002 FIM
- MACHINE TOOL MISMATCH .003 MAX

THIRD ANGLE PROJECTION

| | | DATE |
|---|---|---|
| DWN | SC | 12/12/2012 |
| CHK | | |
| ENGR | | |
| MFGR | | |
| QA | | |
| RLSE | | |

WERLATONE SINCE 1965
17 Jon Barrett Rd
Patterson, NY 12563

TITLE: OUTLINE

| SIZE | CAGE CODE | DWG NO | REV |
|---|---|---|---|
| B | 28812 | 20978-500 | - |

SCALE 1:2 SHEET 1 OF 1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