



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:	$\pm 5^\circ$ 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:

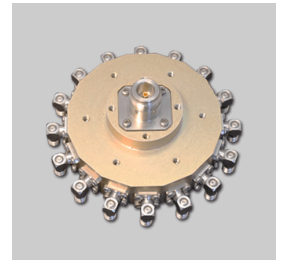
Model	Sum Port (J17)	Input/Output (J1-J16)
D9194R-20	7/16 Female Long Barrel- Silver Plated	N Female- Silver Plated
D9194R-20RT	7/16 Female Long Barrel- Silver Plated	Right Angle N Female - Silver Plated

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

Model D9194

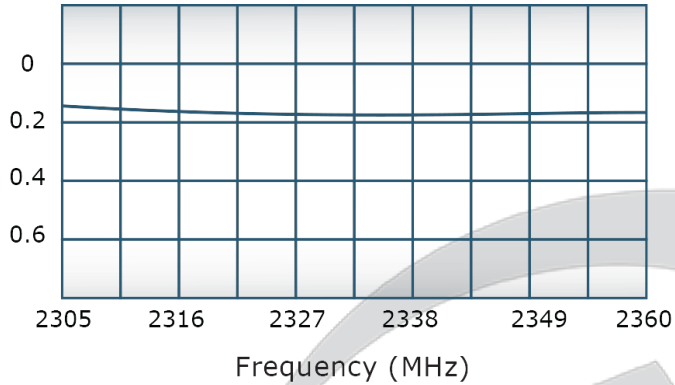


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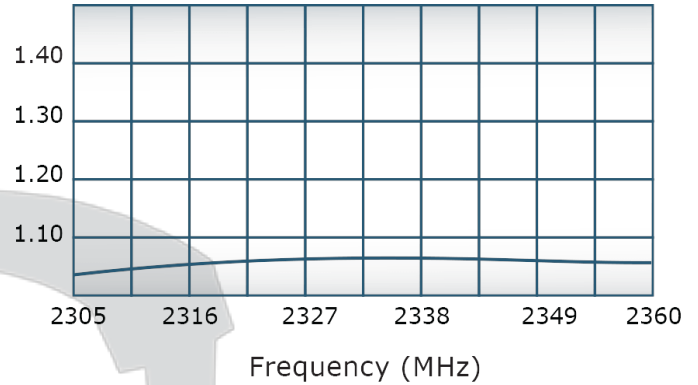
D9194

Performance Data (Specifications subject to change without notice):

Insertion Loss:



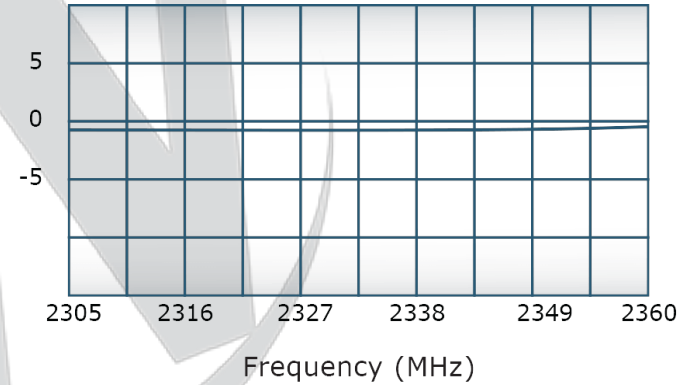
VSWR:



Since 1965:



Phase Balance:

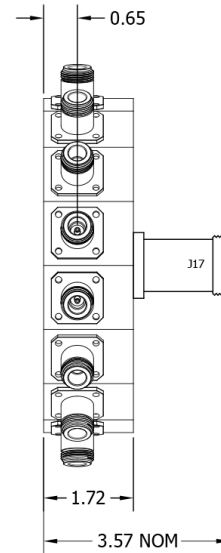
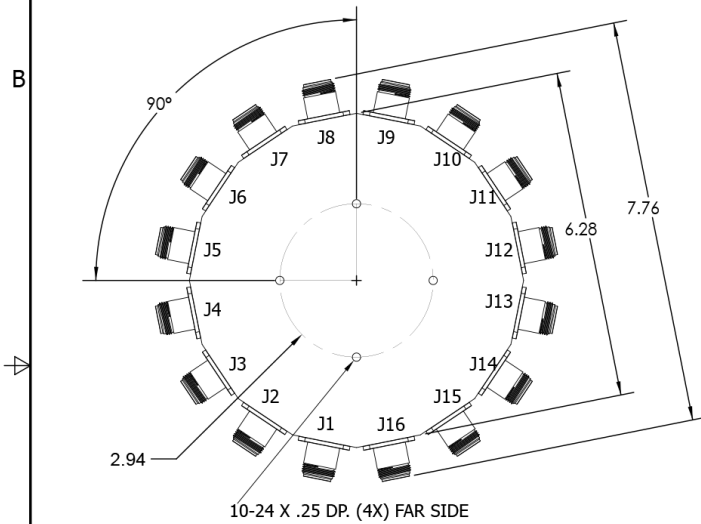


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REVISIONS			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	12/12/2012	SC



UNLESS OTHERWISE SPECIFIED		DATE	12/12/2012	17 Jon Barrett Rd Patterson, NY 12563
INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100	DATE	DATE		
DIMENSIONS ARE IN INCHES	DATE	DATE		
DIMENSIONS ARE IN INCHES	DATE	DATE		
DIMENSIONAL UNITS APPLY BEFORE PROCESSES	DATE	DATE		
TOLERANCES:	DATE	DATE		
ANGLES ± 3°	DATE	DATE		
3 PL ± .005	DATE	DATE		
REMOVE ALL BURRS AND SHARP EDGES R/L MAX	DATE	DATE		
CONCENTRICITY MAXIMUM .004 INCH	DATE	DATE		
MACHINE TOOL MISMATCH .003 MAX	DATE	DATE		
THIRD ANGLE PROJECTION	DATE	DATE		
NEXT ASSY	USED ON	DATE	DATE	REV
APPLICATION				
TITLE		DATE	DATE	REV
OUTLINE		DATE	DATE	REV
SIZE		DATE	DATE	REV
B 28812		DATE	DATE	REV
20978-500		DATE	DATE	REV
SCALE		DATE	DATE	REV
1:2		DATE	DATE	REV
SHEET 1 OF 1		DATE	DATE	REV

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