

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

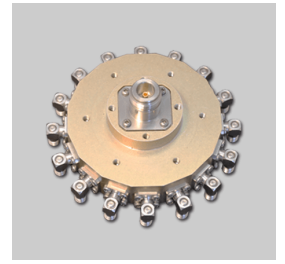
Mechanical Specifications:

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.

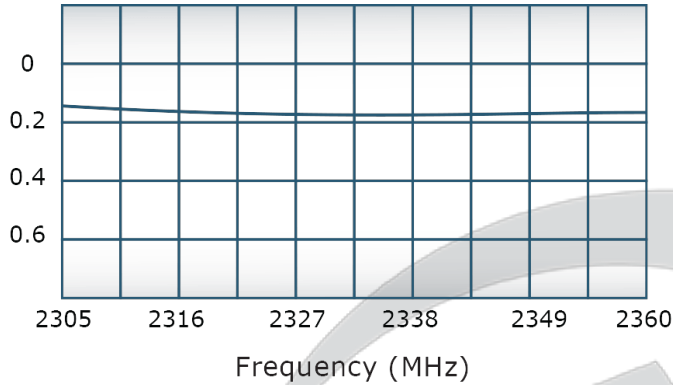


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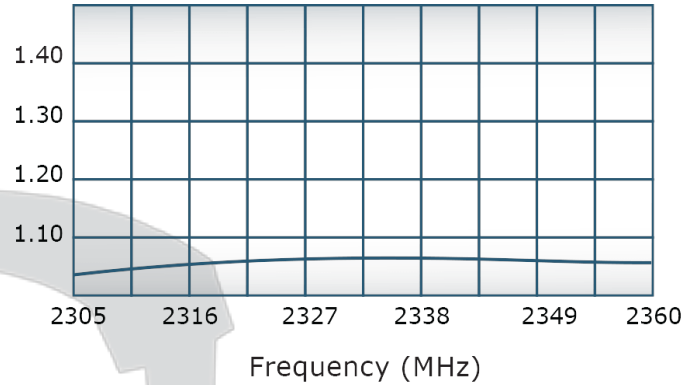
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Performance Data (Specifications subject to change without notice):

Insertion Loss:



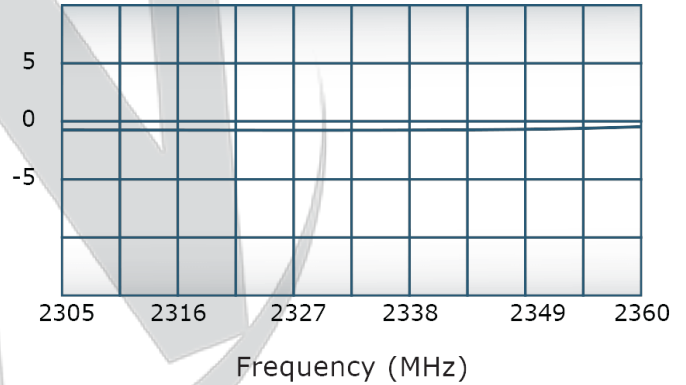
VSWR:



Since 1965:

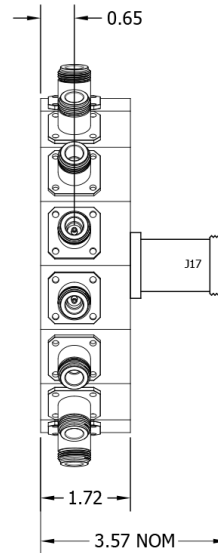
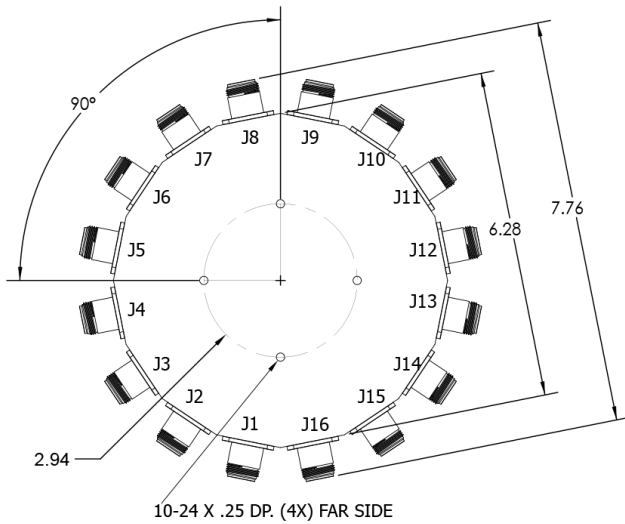


Phase Balance:



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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		
DIMENSIONS ARE IN INCHES		DATE		
DIMENSIONS ARE IN INCHES		DATE		
DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		DATE		
TOLERANCES:		DATE		
ANGLES ± 3°		DATE		
3 PL ± .005		DATE		
REMOVE ALL BURRS AND SHARP EDGES R/L MAX		DATE		
CONCENTRICITY MAXIMUM .004 INCH		DATE		
MACHINE TOOL MISMATCH .003 MAX		DATE		
THIRD ANGLE PROJECTION		DATE		
NEXT ASSY USED ON APPLICATION		DATE		
TITLE		DATE		
OUTLINE		DATE		
SIZE		DATE		
B 28812 20978-500		DATE		
SCALE		DATE		
1:2		DATE		
SHEET 1 OF 1		DATE		

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