
**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

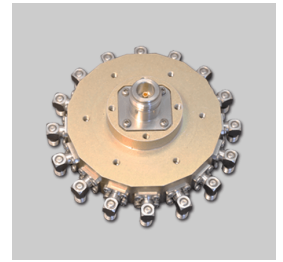
**Connector Configurations:**

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.

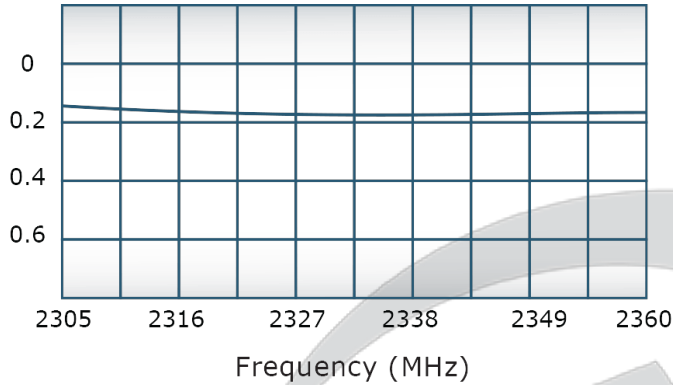
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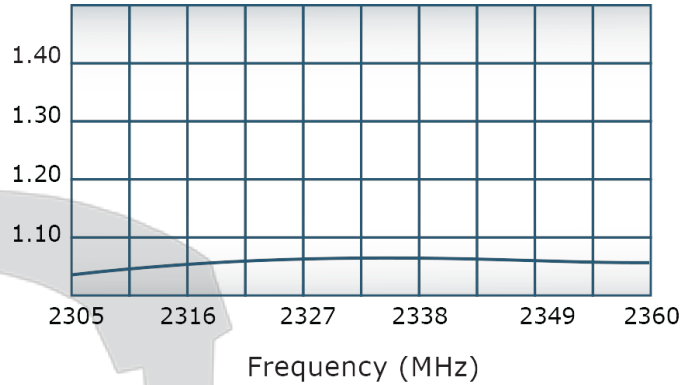


## Performance Data (Specifications subject to change without notice):

Insertion Loss:



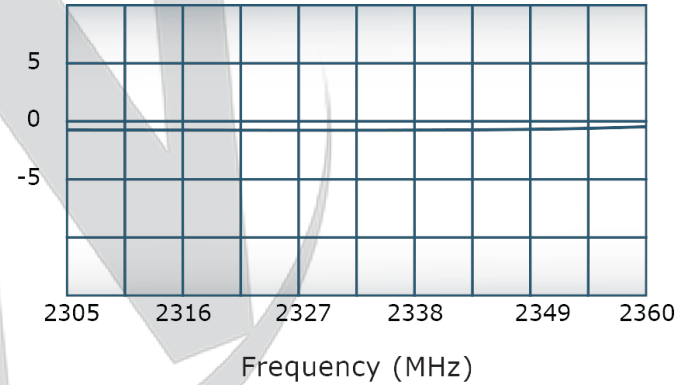
VSWR:



Since 1965:



Phase Balance:



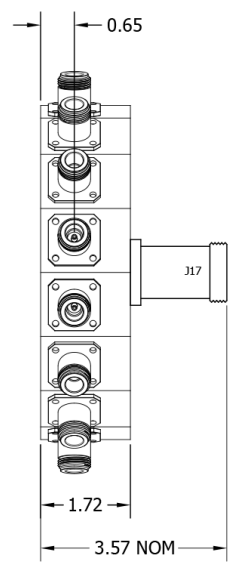
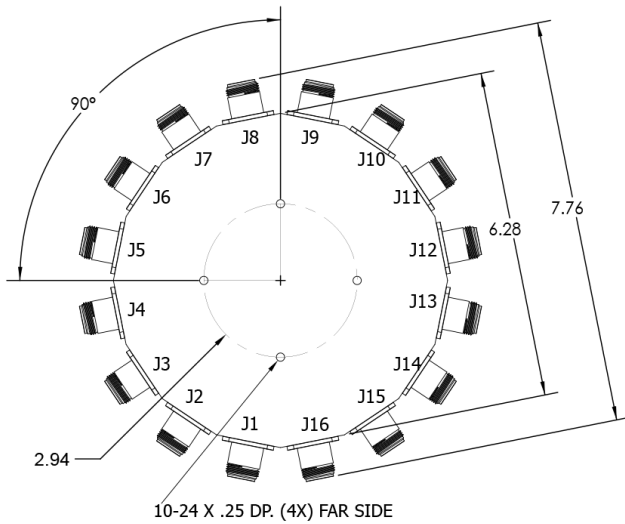
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REVISIONS			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	12/12/2012	SC



UNLESS OTHERWISE SPECIFIED		OWN	DATE	<b>WERLATONE SINCE 1965</b> 17 Jon Barrett Rd Patterson, NY 12563
INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100		SC	12/12/2012	
DIMENSIONING PER ASME Y14.5M-2009		CHK	DATE	TITLE
DIMENSIONAL UNITS ARE IN INCHES		ENGR	DATE	OUTLINE
DIMENSIONAL UNITS APPLY BEFORE PROCESSES		MPGR	DATE	SIZE
TOLERANCES:		QA	DATE	CAGE CODE
ANGLES = 3°		RELE	DATE	DWG NO
3 PL ± .005				B 28812 20978-500
2 PL ± .015				REV
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX				-
CONCENTRICITY MAXIMUM DIA. .002 FPM				SCALE
MACHINE TOOL MISMATCH .003 MAX				1:2
NEXT ASSY	USED ON	THIRD ANGLE PROJECTION		SHEET 1 OF 1
APPLICATION				

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