
**PRODUCT DATA SHEET**
**D9559**

**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:	2200 - 2750 MHz
Power:	40 W CW
Insertion Loss:	0.4 dB Max.
VSWR:	1.40:1 Max.
Phase Balance:	± 4° Max.
Amplitude Balance:	0.25 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 (Trivalent)
Operating Temperature:	-55°C to +75°C
Storage Temperature:	-60°C to +85°C
Weight:	1.5 lbs.
Size:	RADIAL

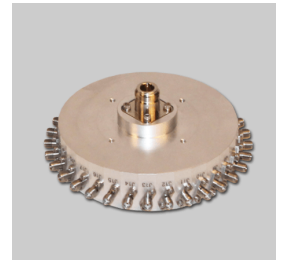
**Connector Configurations:**

Model	Sum Port (J33)	Input/Output (J1-J32)
D9559-12	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.

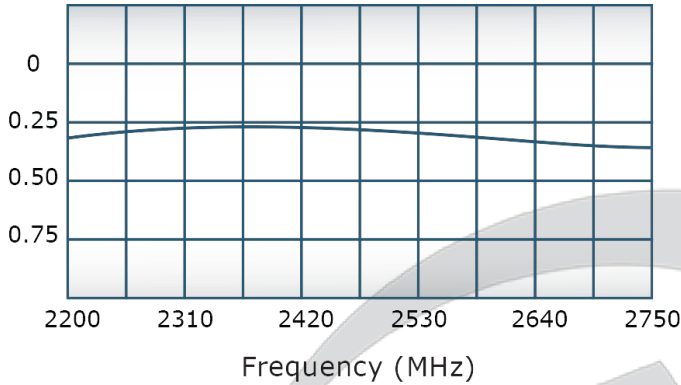
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Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

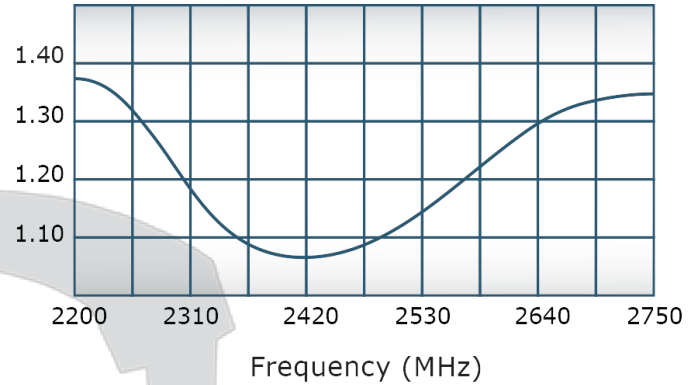


## Performance Data (Specifications subject to change without notice):

Insertion Loss:



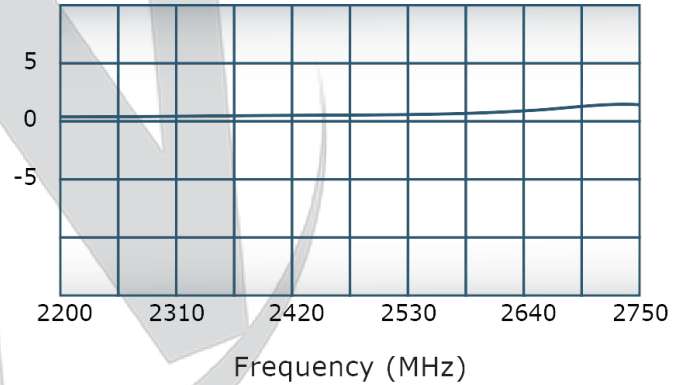
VSWR:



Since 1965:



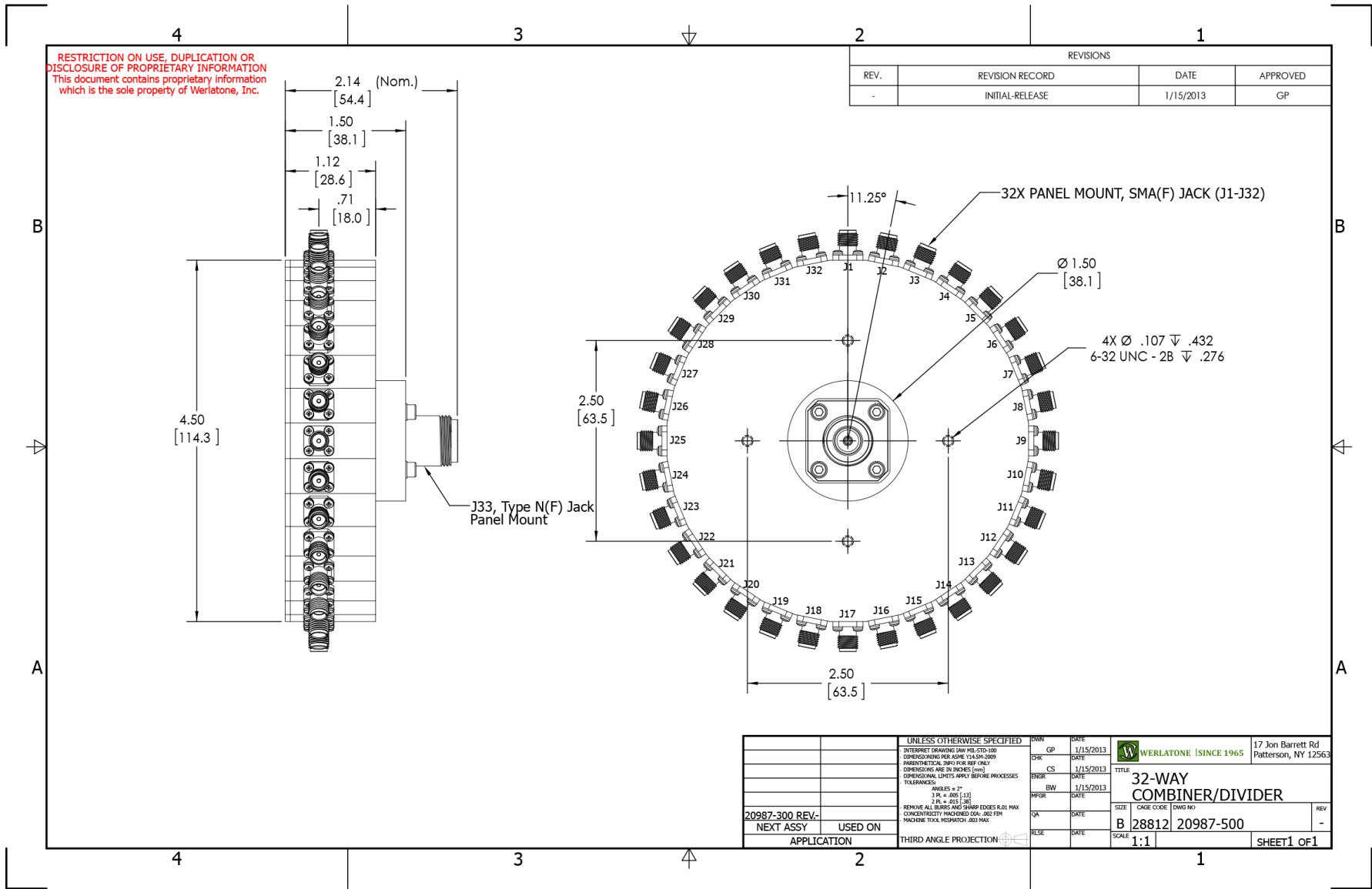
Phase Balance:



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REVISIONS			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL-RELEASE	1/15/2013	GP

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		GP	1/15/2013	
DIMENSIONS ARE IN INCHES (mm)		CHK	DATE	<b>32-WAY</b> <b>COMBINER/DIVIDER</b>
DIMENSIONS ARE IN MILLIMETERS (mm)		CS	1/15/2013	
DIMENSIONAL UNITS APPLY BEFORE PROCESSES		ENGR	DATE	SIZE CAGE CODE DWG NO <b>B 28812 20987-500</b>
TOLERANCES:		BW	1/15/2013	
ANGLES ± 3°		MPFR	DATE	REV -
3 R. ± .002 (13)		QA	DATE	
2 R. ± .015 (38)		REL	DATE	SCALE <b>1:1</b>
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX		APPLICATION		SHEET <b>1</b> OF <b>1</b>
CONCENTRICITY FRACTIONED DIA. .002 FPM				
MACHINE TOOL MISMATCH .003 MAX				

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