
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

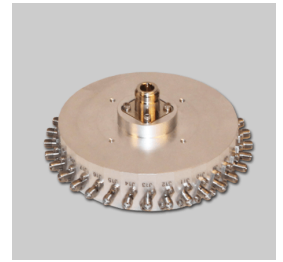
Mechanical Specifications:

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:

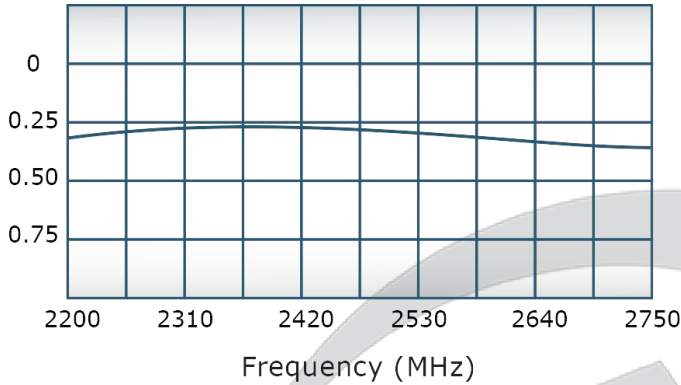
Model	Sum Port (J33)	Input/Output (J1-J32)
D9559-12	N Female	SMA

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.

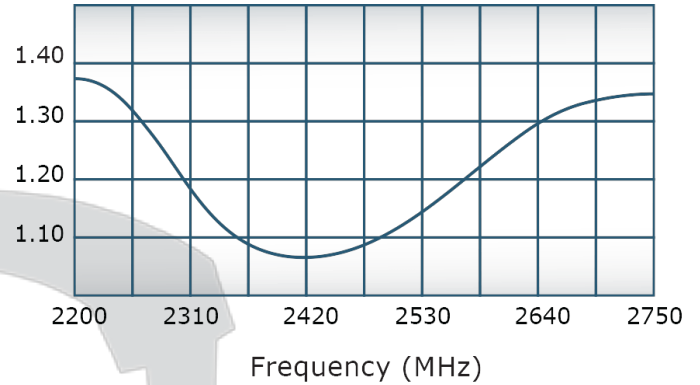


Performance Data (Specifications subject to change without notice):

Insertion Loss:



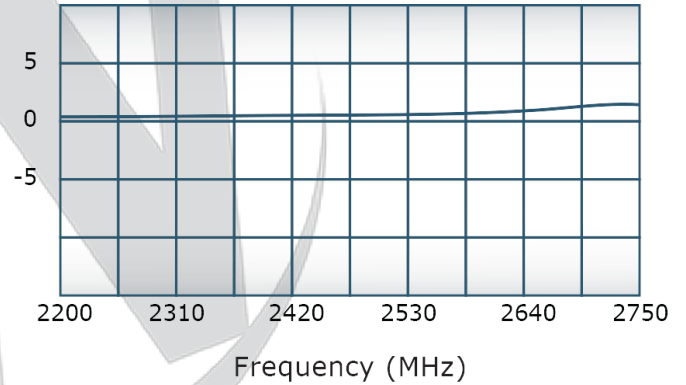
VSWR:



Since 1965:



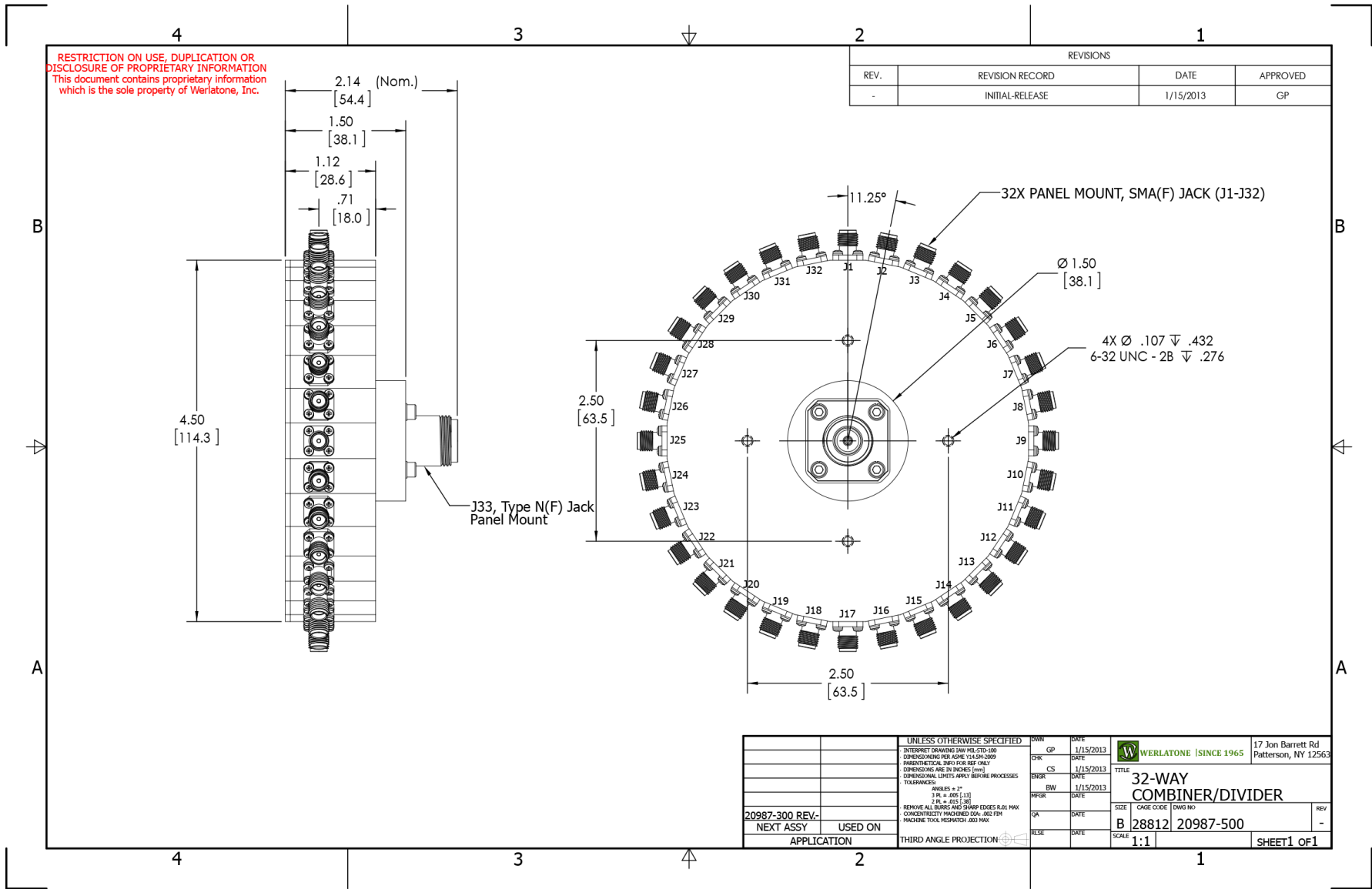
Phase Balance:



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Werlatone, Inc.

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

UNLESS OTHERWISE SPECIFIED		OWN	DATE	WERLATONE SINCE 1965 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	32-WAY COMBINER/DIVIDER
DIMENSIONS ARE IN INCHES (mm)		CS	1/15/2013	
DIMENSIONAL UNITS APPLY BEFORE PROCESSES		ENGR	DATE	SIZE CAGE CODE DWG NO B 28812 20987-500
TOLERANCES:		BW	1/15/2013	
ANGLES = 3°		MPGR	DATE	SCALE 1:1
3 R. ± .005 [13]		QA	DATE	
2 R. ± .015 [38]		REL	DATE	SHEET 1 OF 1
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX				
CONCENTRICITY F.005 DIA. .002 FPM				
MACHINE TOOL MISMATCH .003 MAX				
20987-300 REV-	USED ON			
NEXT ASSY	APPLICATION			

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