



PRODUCT DATA SHEET

D9579

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 High Isolation Custom Designs Available

Electrical Specifications:

Frequency:	136 - 174 MHz
Power:	20 W / Input Non-Coherent
Insertion Loss:	0.35 dB Max.
VSWR:	1.20:1 Max.
Phase Balance:	± 5° Max.
Amplitude Balance:	0.2 dB Max.
Isolation:	20 dB Min.

Mechanical Specifications:

Type:	Connectorized
Material:	Aluminum 6061-T6
Surface Finish:	Chem. Film Per MIL-DTL-5541F Type I Class 3 (Yellow Iridite) RoHS Compliant Available
Operating Temperature:	-55°C to +75°C
Storage Temperature:	-60°C to +85°C
Weight:	1.0 lb. 4 oz.
Size:	4.0 x 3.75 x 1.39"

Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2-J5)
D9579-102	SMA	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.

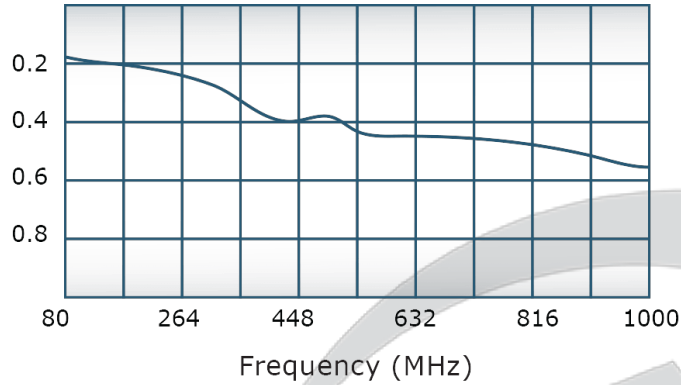
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Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

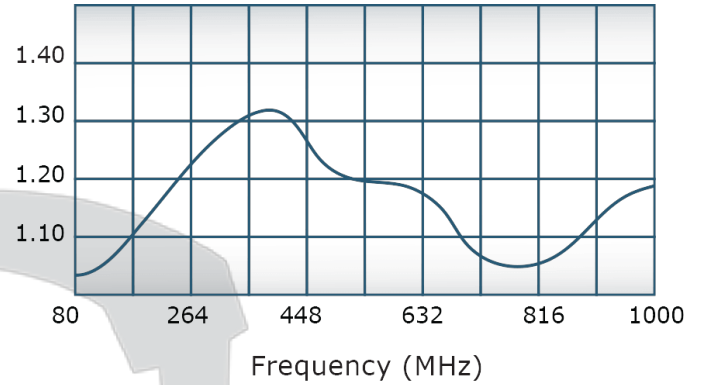


Performance Data (Specifications subject to change without notice):

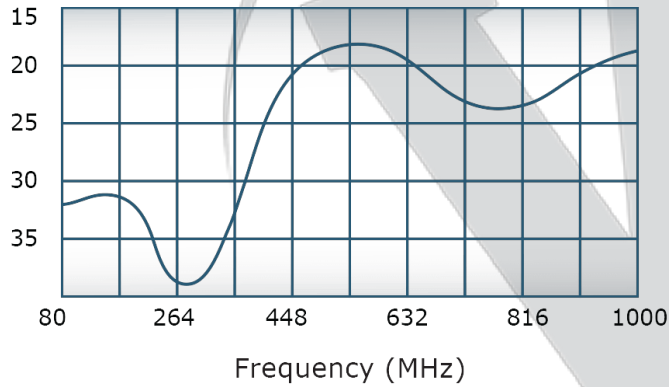
Insertion Loss:



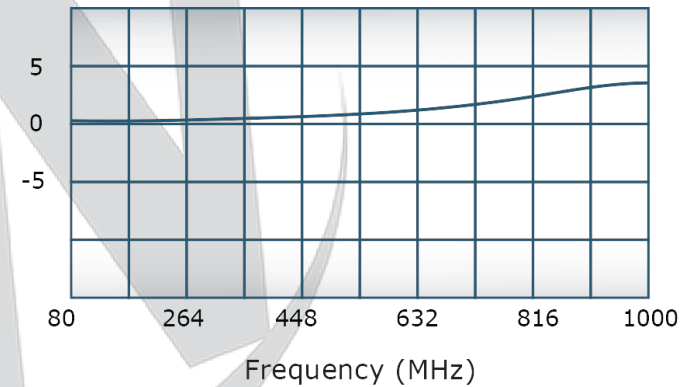
VSWR:



Isolation:



Phase Balance:



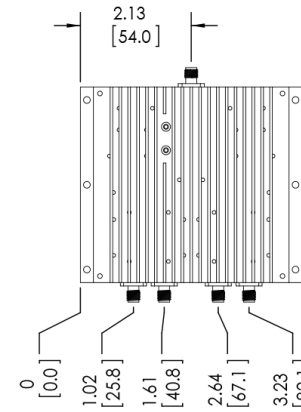
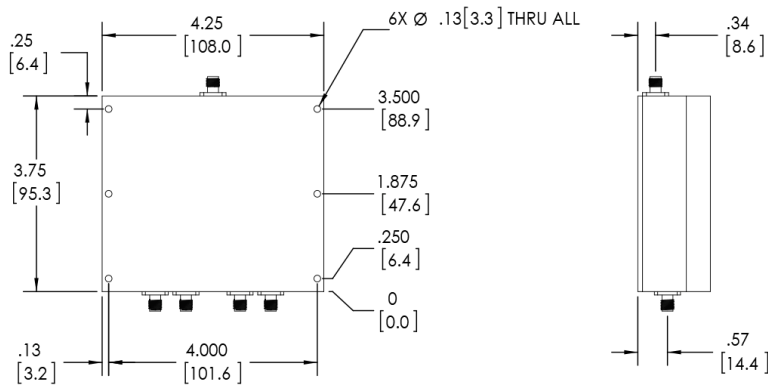
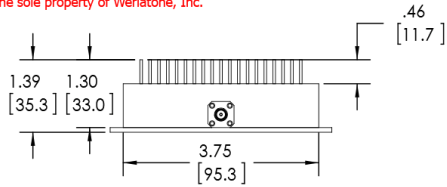
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REVISIONS			
REV.	REVISION RECORD	DATE	APPROVED



- 1.
- 2.
- 3.

UNLESS OTHERWISE SPECIFIED		OWN	DATE	WERLATONE SINCE 1965 17 Jon Barrett Rd Patterson, NY 12563
INTERPRET DRAWING PER MIL-STD-100		CHK	DATE	
DIMENSIONS PER ASME Y14.5M-2009		PR	DATE	OUTLINE TITLE
DIMENSIONS ARE IN INCHES (mm)		ENGR	DATE	
DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		MPGR	DATE	SIZE CAGE CODE DWG NO B 28812 20994-500
TOLERANCES:		QA	DATE	
ANGLES = 3°		RELE	DATE	SCALE 1:2
3 RL ± .002 [13]		APPLICATION USED ON		
2 FL ± .015 [38]		NEXT ASSY USED ON		REV -
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX		THIRD ANGLE PROJECTION		
CONCENTRICITY FRACTURED DIA. .002 FPM		SHEET 1 OF 1		
MACHINE TOOL MISMATCH .003 MAX				

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