

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: $\pm 5^\circ$ 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.

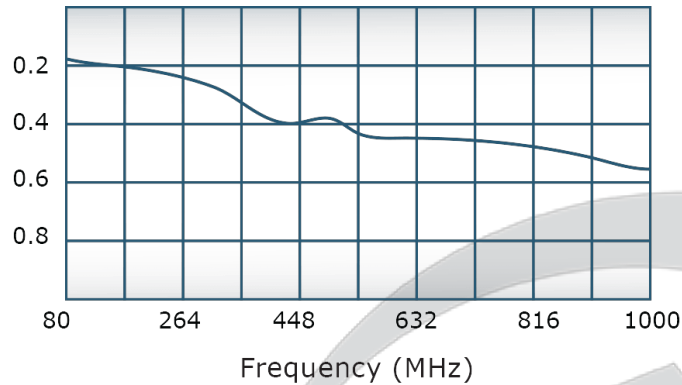


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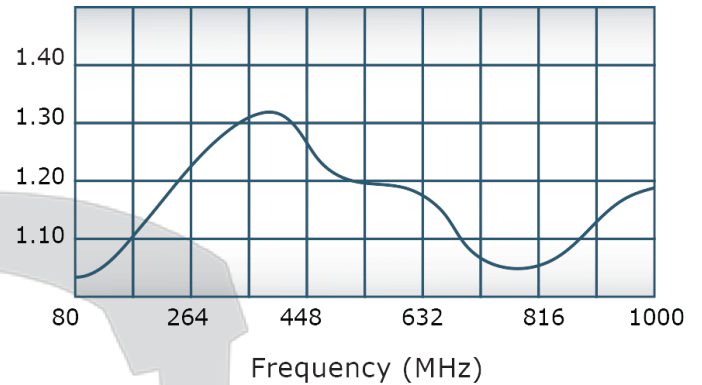
D9579

Performance Data (Specifications subject to change without notice):

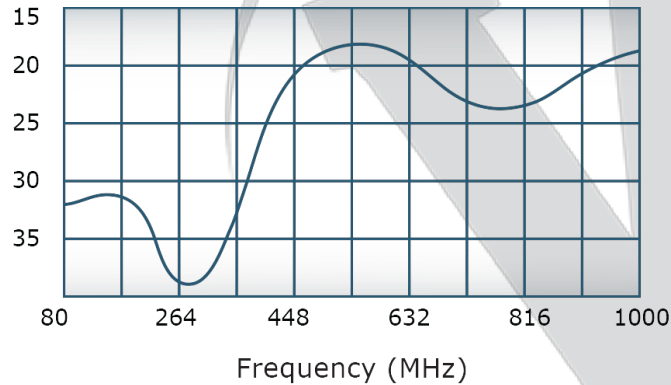
Insertion Loss:



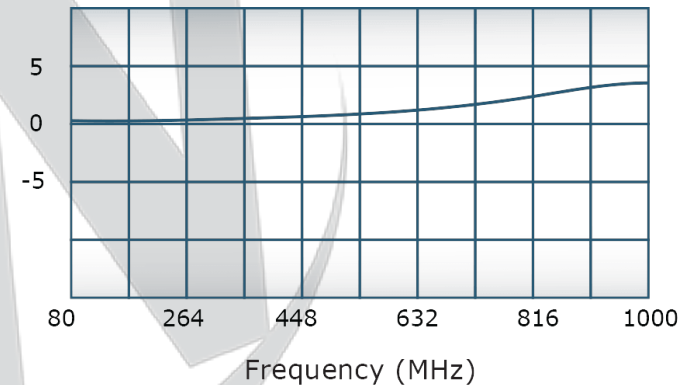
VSWR:



Isolation:



Phase Balance:

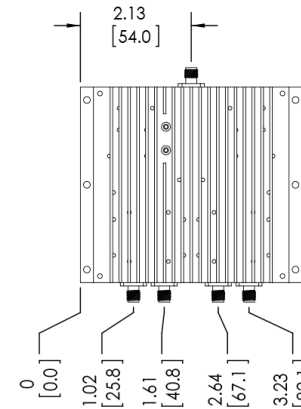
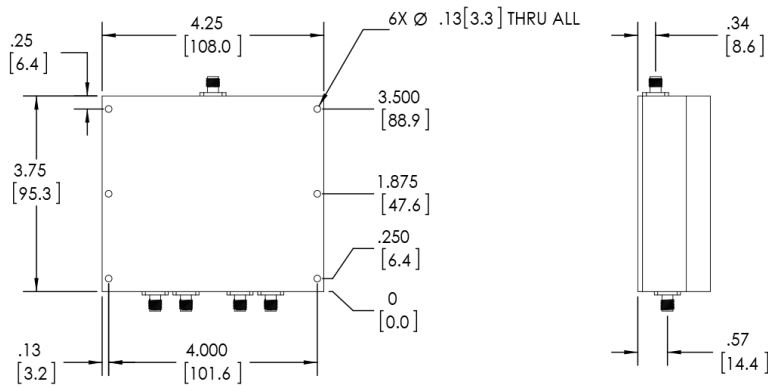
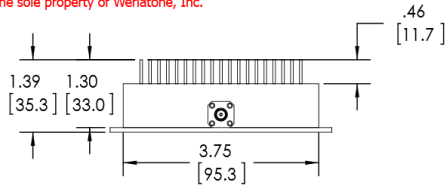


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REVISIONS			
REV.	REVISION RECORD	DATE	APPROVED



- 1.
- 2.
- 3.

UNLESS OTHERWISE SPECIFIED		DATE	1/29/2013	 WERLATONE SINCE 1965 17 Jon Barrett Rd Patterson, NY 12563
INTERPRET DRAWING PER MIL-STD-100	DATE	1/29/2013	TITLE	
DIMENSIONS PER ASME Y14.5M-2009	DATE	1/29/2013	SIZE	CAGE CODE
MATHEMATICAL INFO FOR REF ONLY	DATE	1/29/2013	SCALE	20994-500
DIMENSIONS ARE IN INCHES (mm)	DATE	1/29/2013	REV	-
DIMENSIONAL LIMITS APPLY BEFORE PROCESSES	DATE	1/29/2013	SCALE	1:2
TOLERANCES:	DATE	1/29/2013	SCALE	1:2
ANGLES ± 3°	DATE	1/29/2013	SCALE	1:2
3 PL ± .005 (13)	DATE	1/29/2013	SCALE	1:2
2 PL ± .015 (38)	DATE	1/29/2013	SCALE	1:2
REMOVE ALL BURRS AND SHARP EDGES R/L MAX	DATE	1/29/2013	SCALE	1:2
CONCENTRICITY MAX .004 (102) F/M	DATE	1/29/2013	SCALE	1:2
MACHINE TOOL MESHATCH .003 MAX	DATE	1/29/2013	SCALE	1:2
THIRD ANGLE PROJECTION	DATE	1/29/2013	SCALE	1:2
NEXT ASSY	USED ON	APPLICATION	DATE	DATE

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