

PRODUCT DATA SHEET

D5778

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: 30 - 90 MHz
Power: 5000 W CW
Insertion Loss: 0.3 dB Max.
VSWR: 1.30:1 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
Size: 17.0 x 18.0 x 5.0"

Connector Configurations:

Model	Sum Port (J5)	Input/Output (J1-J4)
D5778-20	7/16 Female	N Female
D5778-30	LC Female	N Female
D5778-70	7/8" EIA	N Female
D5778-80	1 5/8" EIA	N Female

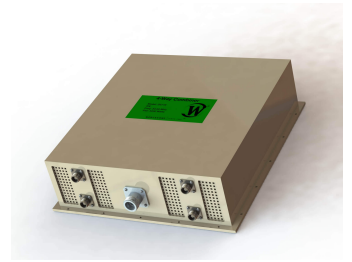
When specified, Werlatone® High Power Combiners and RF Dividers will tolerate full input failures on adjacent port(s). This insures that remaining transmitter(s) may continue to operate until the amplifier system can be properly shut down for maintenance. Choose your specific connector configuration 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.



WERLATONE

Model D5778

Combiners In-Phase Connectorized

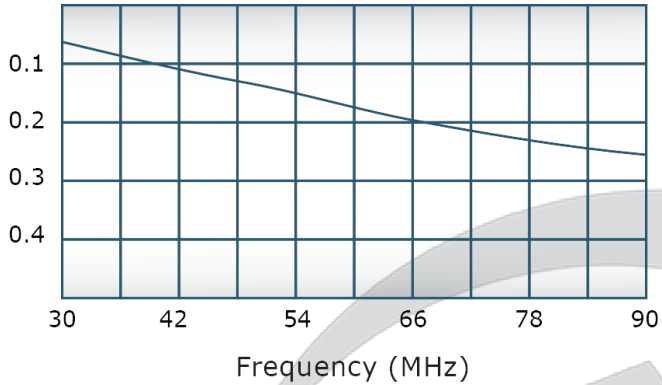


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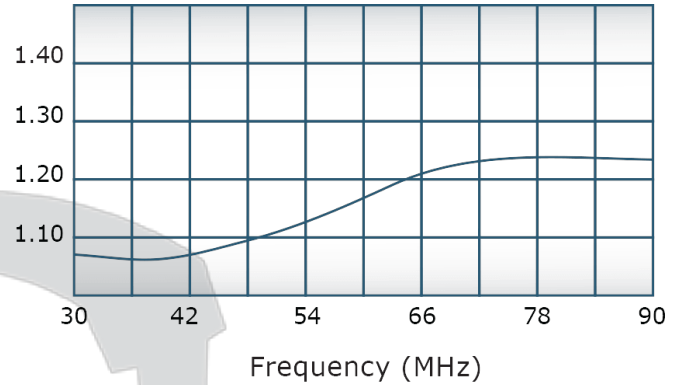
D5778

Performance Data (Specifications subject to change without notice):

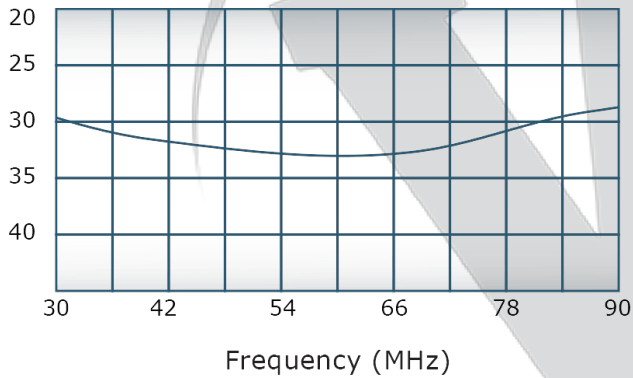
Insertion Loss:



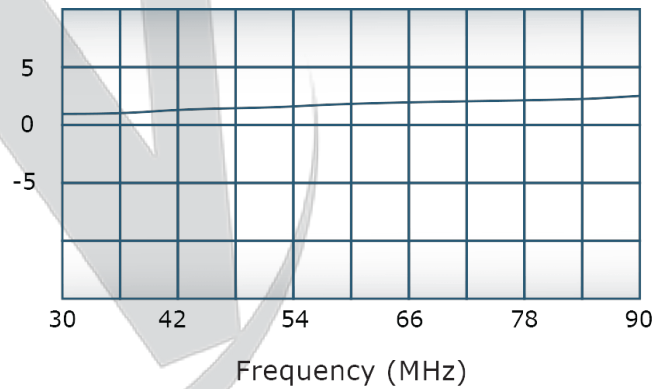
VSWR:



Isolation:



Phase Balance:



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Diagram illustrating the front view of the 2U rackmount server, showing dimensions and fan exhaust locations.

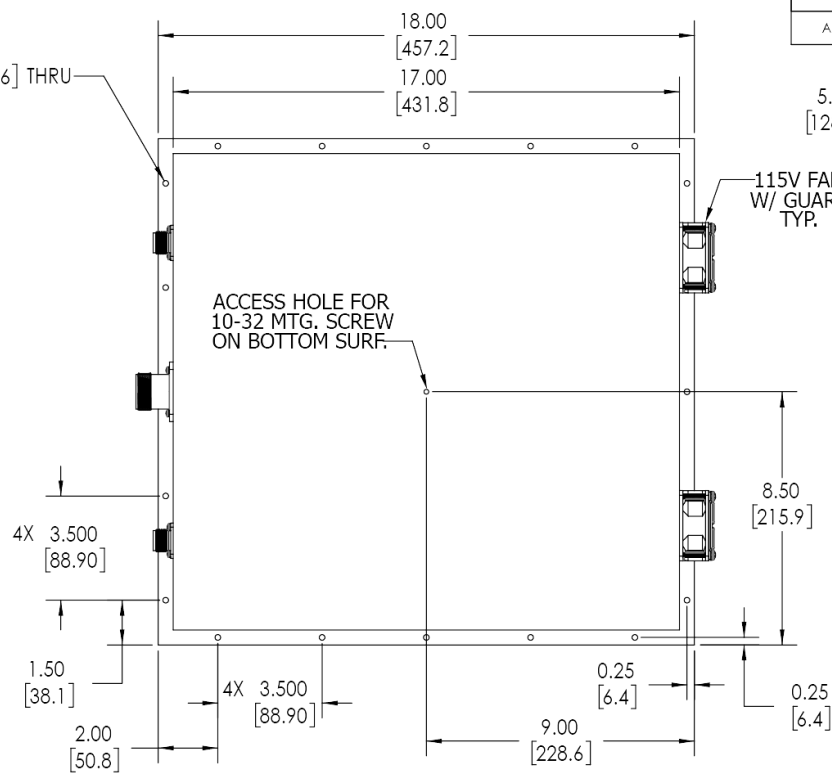
Dimensions (mm) are indicated on the left side of the diagram:

- 0 [0.0]
- 3.50 [88.9]
- 8.50 [215.9]
- 13.50 [342.9]

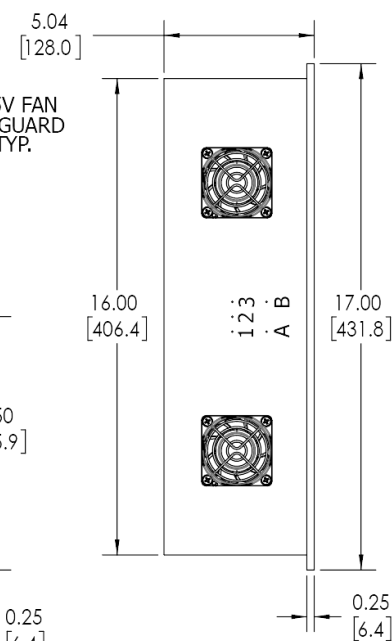
Dimensions (mm) are indicated on the right side of the diagram:

- 0 [0.0]
- 1.25 [31.8]
- 2.25 [57.2]
- 3.95 [100.3]


The diagram shows the front panel with a "FAN EXHAUST" label pointing to the top fan exhaust area. The front panel features a central circular fan exhaust and two side fan exhausts. The top and bottom fan exhausts are labeled "20X Ø 0.18".



REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	10/18/2019	RB



1. MATERIAL: ALUMINUM 6061-T6
2. FINISH: CHEM FILM PER MIL-DTL-5541F TYPE I CLASS 3 (YELLOW IRIDITE)
3. CONNECTORS:
 - J1-J4: HN FEMALE
 - J5: LC FEMALE
4. FAN POWER: 1-3, 220V AC
 - 2-1 & 3, 115V AC
5. A,B: THERMOSTAT, NORMALLY OPEN (95 DEG C)

		UNLESS OTHERWISE SPECIFIED		OWN	DATE	 WERLATONE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12565		
		INTERPRET DRAWING IN ACC. WITH MIL-STD-100		SD	10/18/2019				
		DIMENSIONS PER ASME Y14.5M-2009		CHK	DATE				
		PARENT DIMENSIONS EXCEPT FOR KEY		CS	10/18/2019				
		DIMENSIONS ARE IN INCHES		ENGR	DATE	TITLE			
		DIMENSIONAL LIMITS APPLY BECAUSE OF PROCESSES TOLERANCES:		REFR	DATE	OUTLINE			
		ANGLES = 2° 3 P. & .003 [13] 2 P. & .015 [30]		QA	DATE		SIZE	CAGE CODE	DWG NO
		REMOVE ALL BURRS AND SHARP EDGES R.01 MAX CHUCK/RECTRICTY MACHINED DIA. .002 FPM MACHINE TIME PROJECTIONS .001 MAX		RLSE	DATE		SCALE	10376-500	
NEXT ASSY	USED ON					4			A
APPLICATION		THIRD ANGLE PROJECTION						SHEET 1 OF 1	

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D5778 Rev.-