

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:	± 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
Size:	17.0 x 18.0 x 5.0"

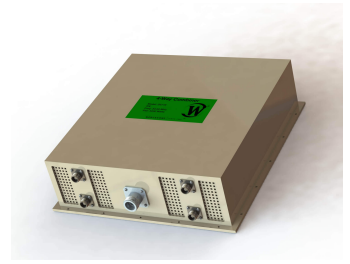
Connector Configurations:

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.

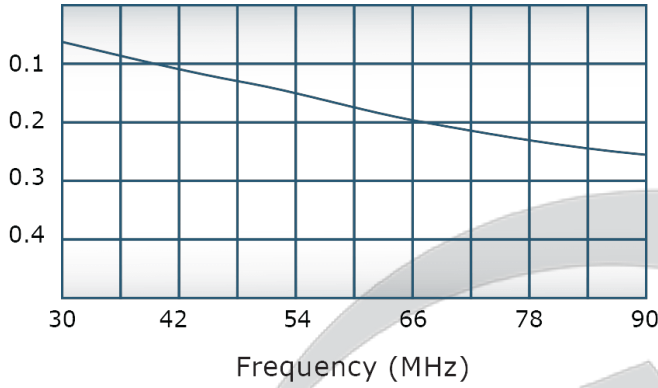
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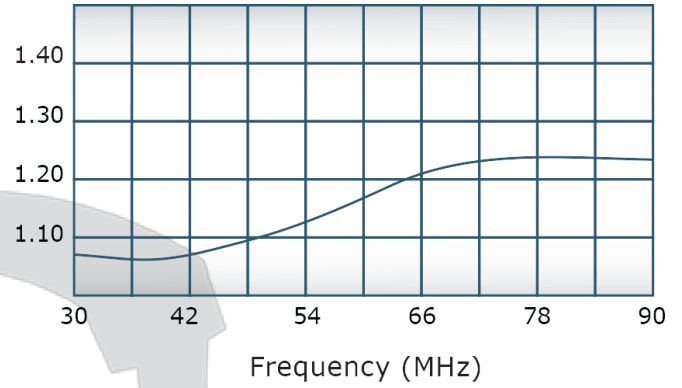


Performance Data (Specifications subject to change without notice):

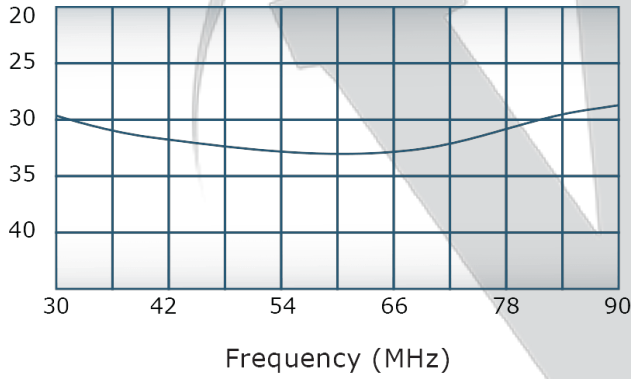
Insertion Loss:



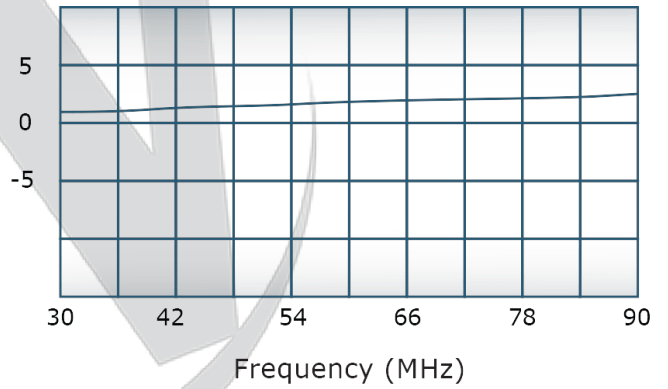
VSWR:



Isolation:



Phase Balance:



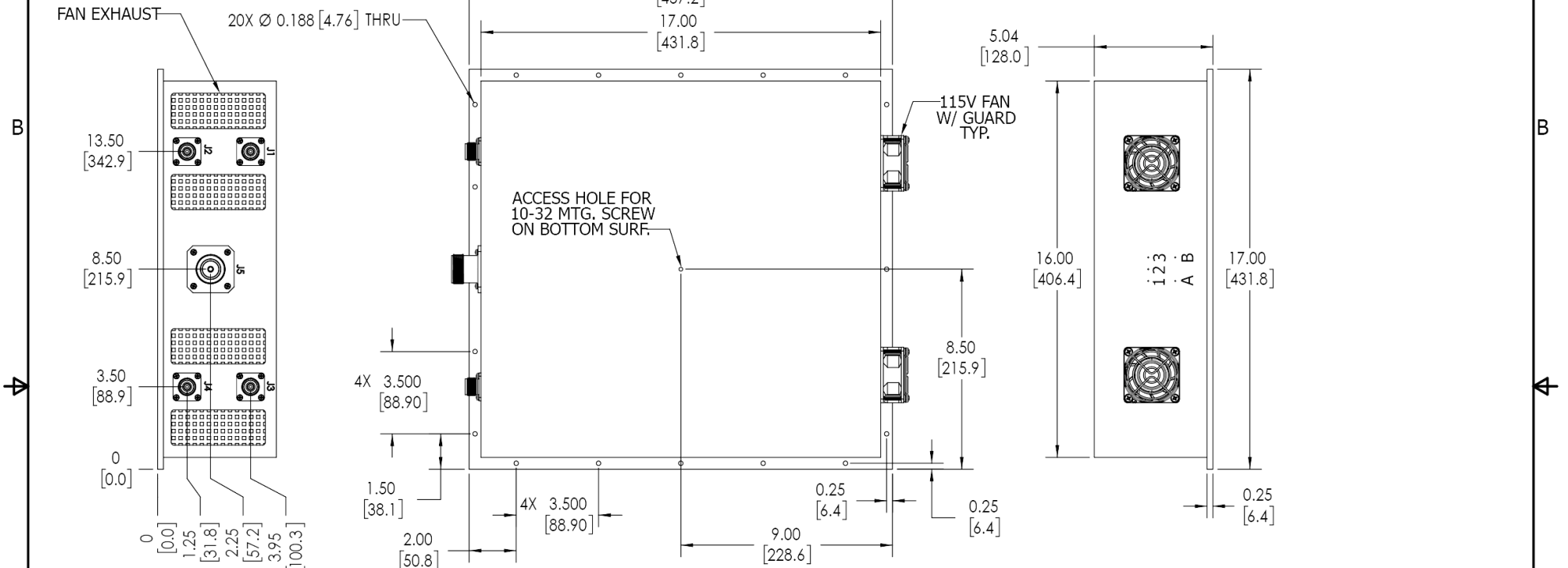
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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	10/18/2019	RB



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

UNLESS OTHERWISE SPECIFIED		OWN	DATE	WERLATONE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563
INTERPRET DRAWING IAW MIL-STD-100 DIMENSIONS PER ASME Y14.5M-2009 PARENTHEetical INFO FOR REF ONLY DIMENSIONS ARE IN INCHES DIMENSIONAL LIMITS APPLY BEFORE FINISHES TOLERANCES: ANGLES ± 2° 3 PL ± .005 (.13) 2 PL ± .015 (.38) REMOVE ALL BURRS AND SHARP EDGES R.01 MAX CONCENTRICITY MACHINED DIA: .002 FIM MACHINE TOOL MISMATCH .003 MAX.		SD	10/18/2019		
		CHK	DATE	TITLE	
		CS	10/18/2019	OUTLINE	
		ENGR	DATE	SIZE	CAGE CODE
		INFR	DATE	B	10376-500
		QA	DATE	DWG NO	REV
		RLSE	DATE	A	A
NEXT ASSY	USED ON	THIRD ANGLE PROJECTION		SCALE	SHEET 1 OF 1
				1:4	

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