
PRODUCT DATA SHEET
D6846

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: 1.5 - 30 MHz
 Power: 4000 W CW
 Insertion Loss: 0.35 dB Max.
 VSWR: 1.35:1 Max.
 Phase Balance: ± 5° Max.
 Amplitude Balance: 0.2 dB Max.
 Isolation: 20 dB Min.

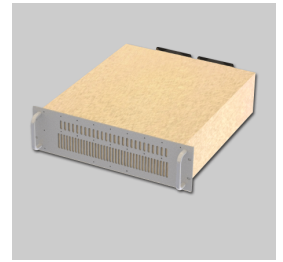
Mechanical Specifications:

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: 32.0 lbs.
 Size: 19.0 x 16.98 x 5.22"

Connector Configurations:

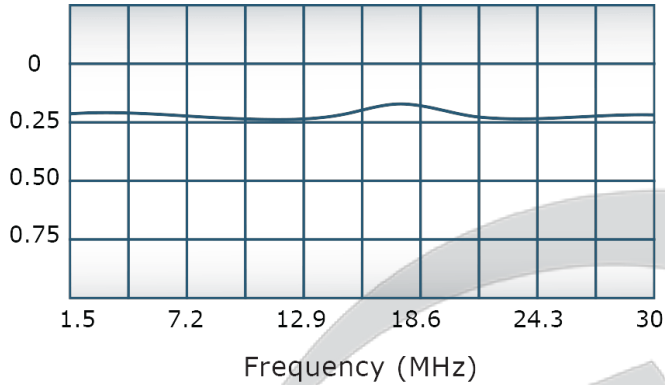
Model	Input/Output (J1-J6)	Sum Port (J7)	J10
D6846-50	N Female	C Female	9 Pin D

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.

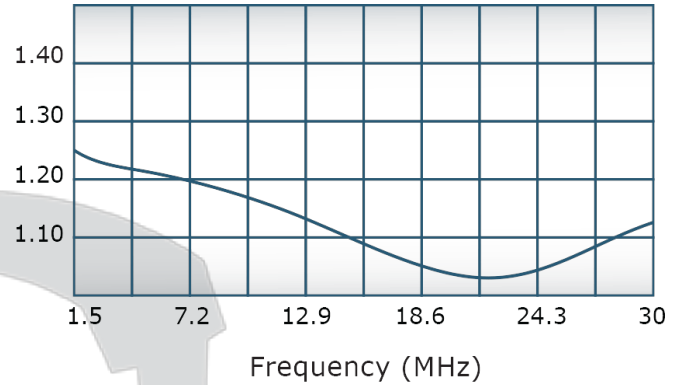


Performance Data (Specifications subject to change without notice):

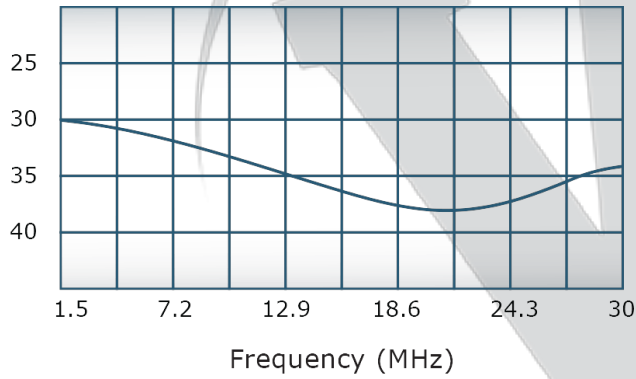
Insertion Loss:



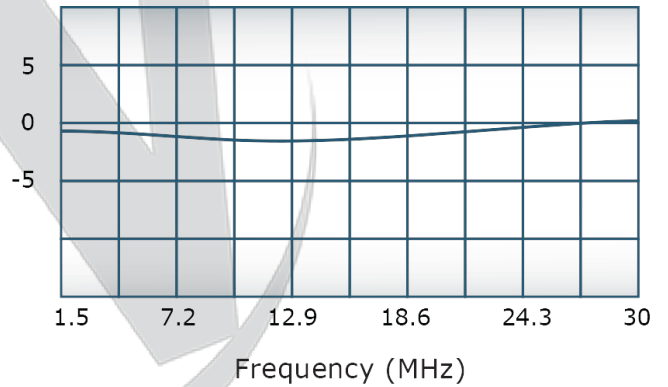
VSWR:



Isolation:



Phase Balance:



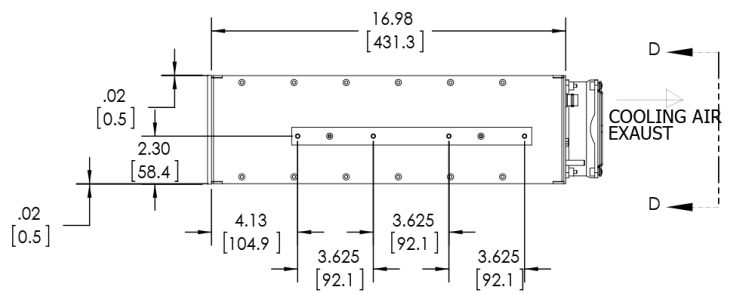
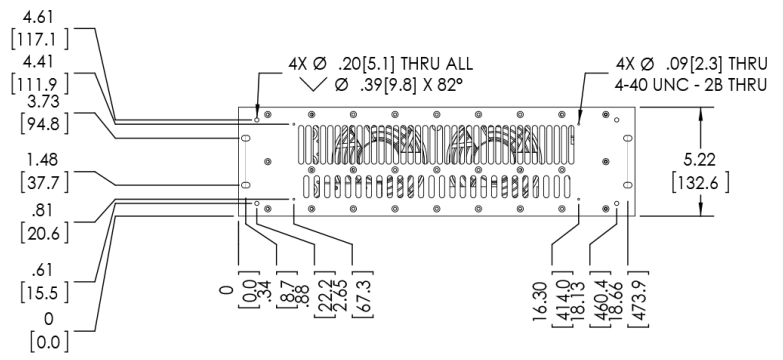
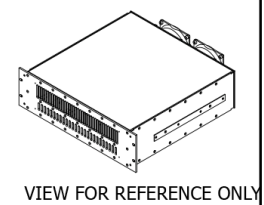
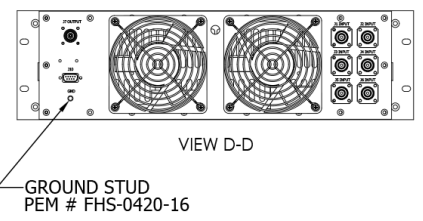
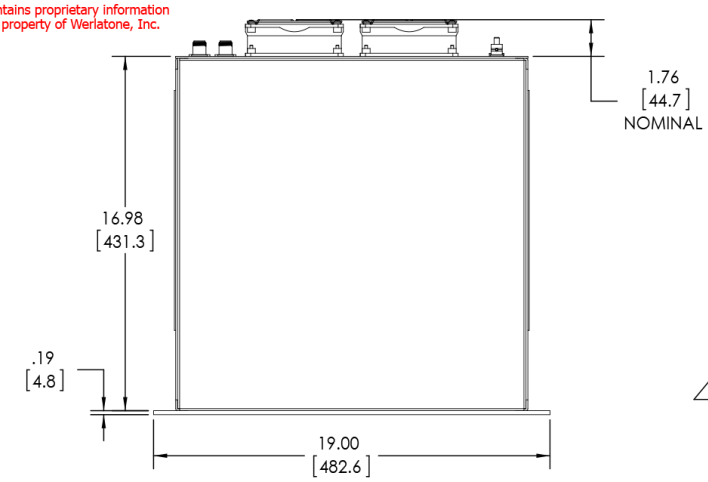
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Werlatone, Inc.

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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	8/3/2012	
A	ECN 9300	4/20/2017	CS



UNLESS OTHERWISE SPECIFIED		OWN	DATE	 WERLATONE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563
INTERPRET DRAWING PER MIL-STD-100	SC	8/3/2012	CHK		
DIMENSIONS PER ASME Y14.5M-2009	CS		ENGR	DATE	TITLE
ISOMETRIC DIMS FOR REF ONLY			MPGR	DATE	OUTLINE
DIMENSIONS ARE IN INCHES (mm)			QA	DATE	SIZE
DIMENSIONAL UNITS APPLY BEFORE PROCESSES			RELE	DATE	CAGE CODE
TOLERANCES:					28812
ANGLES = 3°					10875-500
3 RL ± .006 [13]					REV
2 RL ± .015 [38]					A
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX					SCALE
CONCENTRICITY FRACTURED DIA - .002 FPM					1:5
MACHINE TOL. MISMATCH .003 MAX					SHEET 1 OF 1
NEXT ASSY	USED ON	THIRD ANGLE PROJECTION			
APPLICATION					

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