


PRODUCT DATA SHEET
D2413

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: 50 - 200 MHz
 Power: 4000 W CW
 Insertion Loss: 0.4 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
 Weight: 28 lbs.
 Size: 17.0 x 18.0 x 5.0"

Connector Configurations:

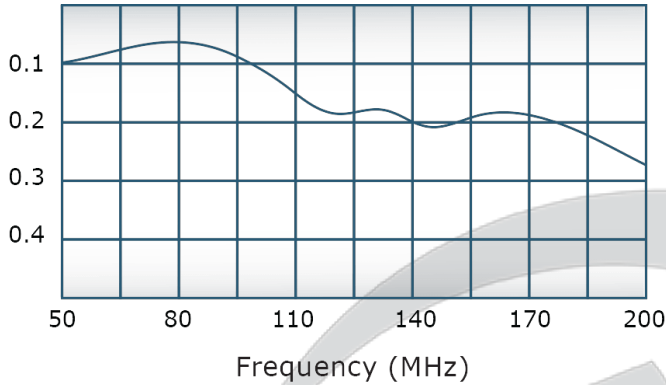
Model	Sum Port (J5)	Input/Output (J1-J4)
D2413-41	SC Female	N Female
D2413-70	7/8" EIA	N Female
D2413-87	1 5/8" EIA	SC Female
D2413-231	7/16 Female	SC Female
D2413-391	LC Female	HN Female

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.

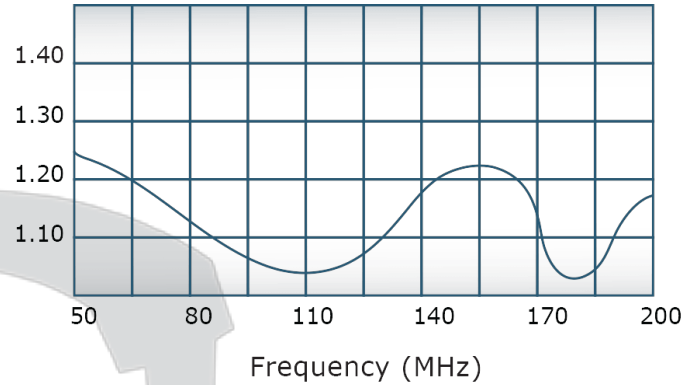


Performance Data (Specifications subject to change without notice):

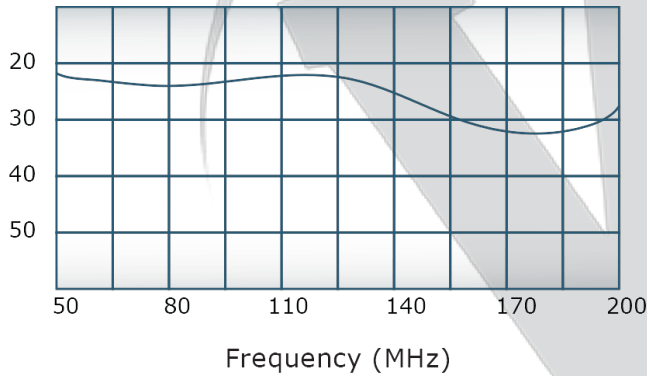
Insertion Loss:



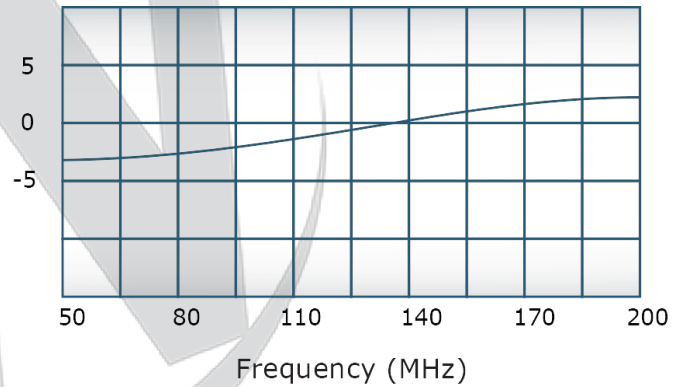
VSWR:



Isolation:



Phase Balance:



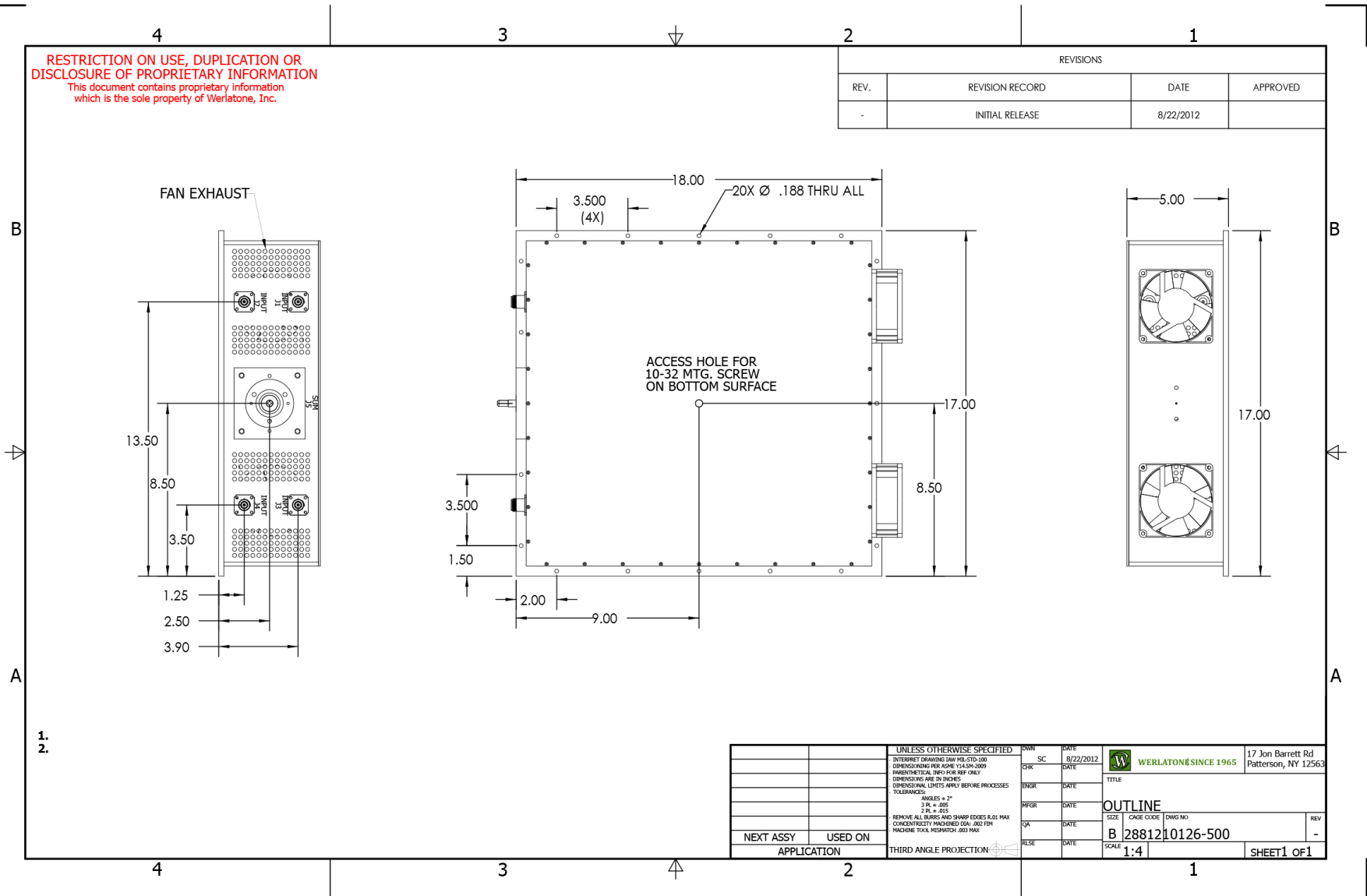
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Werlatone, Inc.

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

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REVISIONS			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	8/22/2012	



UNLESS OTHERWISE SPECIFIED		OWN	DATE	WERLATONE SINCE 1965 17 Jon Barrett Rd Patterson, NY 12563
INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100		CHK	8/22/2012	
DIMENSIONS ARE IN INCHES		DATE		TITLE
DIMENSIONAL UNITS APPLY BEFORE PROCESSES		DATE		OUTLINE
TOLERANCES:		DATE		SIZE
ANGLES = 3°		DATE		CAGE CODE
3 RL ± .010		DATE		DWG NO
2 RL ± .015		DATE		REV
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX		DATE		B
CONCENTRICITY FACHDED DIA. .002 FPM		DATE		2881210126-500
MACHINE TOOL MISMATCH .003 MAX		DATE		SCALE
NEXT ASSY	USED ON	DATE		1:4
APPLICATION	THIRD ANGLE PROJECTION	DATE		SHEET 1 OF 1

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