


PRODUCT DATA SHEET
D10830

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 Custom Designs Available

Electrical Specifications:

Frequency: 80 - 1000 MHz
 Power: 2000 W CW
 Insertion Loss: 0.5 dB Max.
 VSWR: 1.30:1 Max.
 Phase Balance: $\pm 5^\circ$ Max.
 Amplitude Balance: 0.25 dB Max.
 Isolation: Non-Isolated

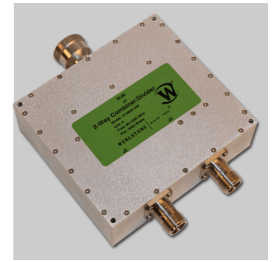
Mechanical Specifications:

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: 3.5 lbs.
 Size: 5.0 x 5.5 x 1.71"

Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D10830-28	7/16 Female	7/16 Female	7/16 Female
D10830-296	7/16 Female	SC Female	SC 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.

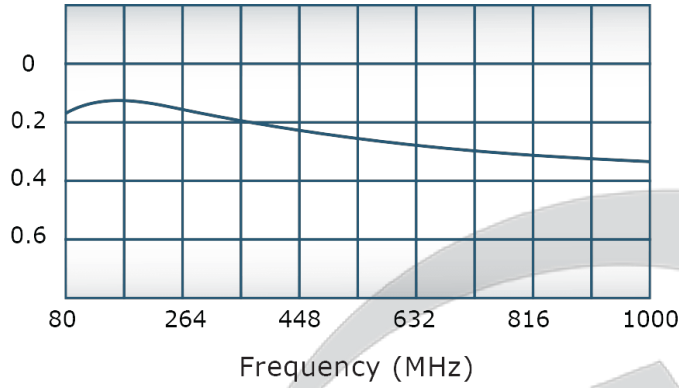


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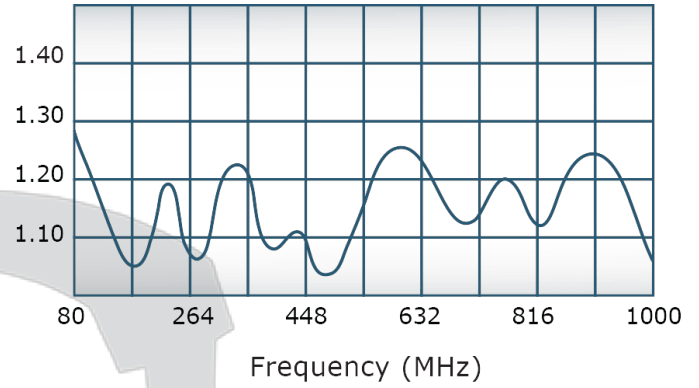
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Performance Data (Specifications subject to change without notice):

Insertion Loss:



VSWR:

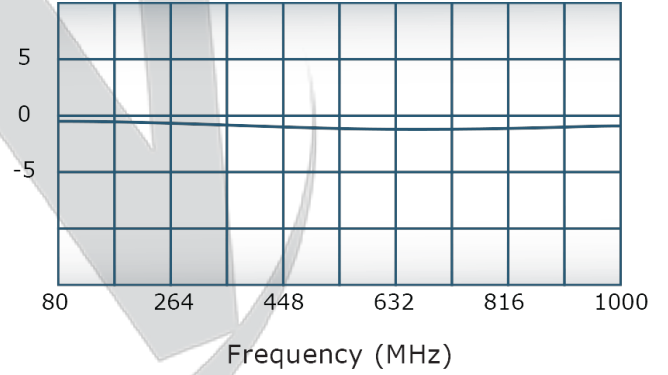


Since 1965:



SINCE 1965

Phase Balance:



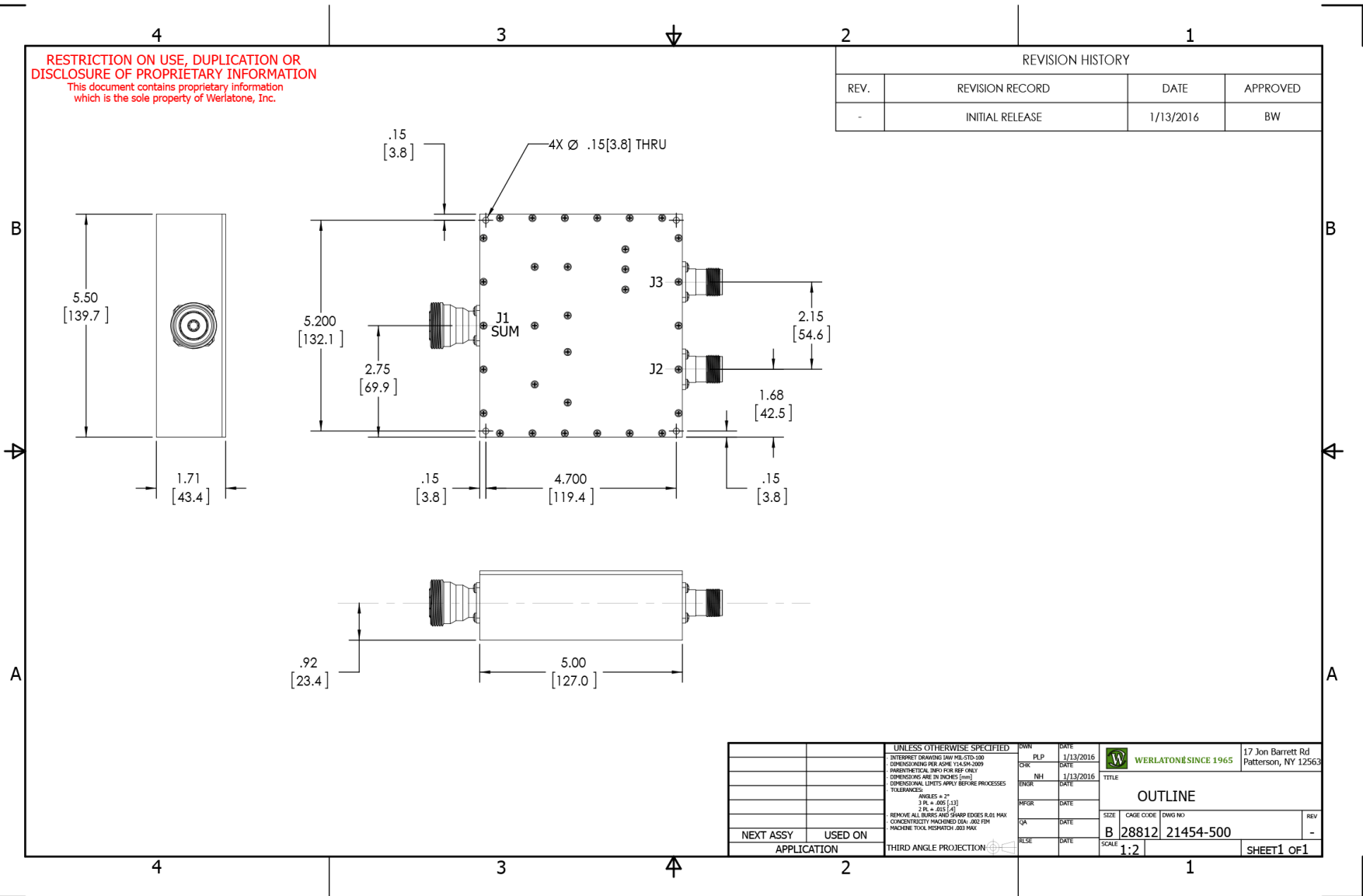
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Werlatone, Inc.

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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	1/13/2016	BW



UNLESS OTHERWISE SPECIFIED		DATE	1/13/2016	17 Jon Barrett Rd Patterson, NY 12563
INTERSHIFT DRAWING (AW MIL-STD-100)	PLP	DATE	1/13/2016	WERLATONE SINCE 1965
DIMENSIONS ARE PER ASME Y14.5M-2009	CHK	DATE	1/13/2016	
DIMENSIONS ARE IN INCHES (mm)	NH	DATE	1/13/2016	TITLE
DIMENSIONAL LINES APPLY BEFORE PROCESSES	ENGR	DATE		OUTLINE
TOLERANCES:	MPGR	DATE		SIZE
ANGLES = 3°	QA	DATE		CAGE CODE
3 RL ± .005 [13]	RESE	DATE		DWG NO
2 RL ± .015 [4]				B 28812 21454-500
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX				SCALE
CONCENTRICITY FUNDING DIA-.002 FPM				1:2
MACHINE TOOL MISMATCH .003 MAX				SHEET 1 OF 1
NEXT ASSY	USED ON			REV
APPLICATION				-
THIRD ANGLE PROJECTION				

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