

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: 700 - 6000 MHz
 Power: 500 W CW
 Insertion Loss: 0.6 dB Max.
 VSWR: 1.40:1 Max.
 Phase Balance: $\pm 5^\circ$ Max.
 Amplitude Balance: ± 0.2 dB Max.
 Isolation: Non-Isolated

Mechanical Specifications:

Type: Connectorized
 Material: Aluminum 6061-T6
 Surface Finish: Electroless Nickel - ASTM B733 Type IV
 Operating Temperature: -55°C to +75°C
 Storage Temperature: -60°C to +85°C
 Weight: 1.0 lb. 2 oz.
 Size: 5.5 x 2.4 x 1.06"

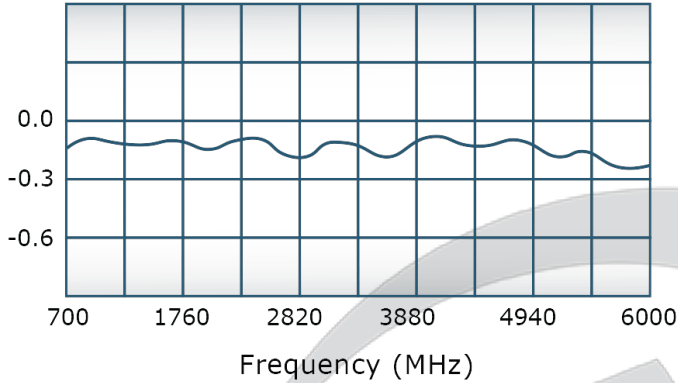
Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D11832-20	7/16 N Female	N Female	N Female

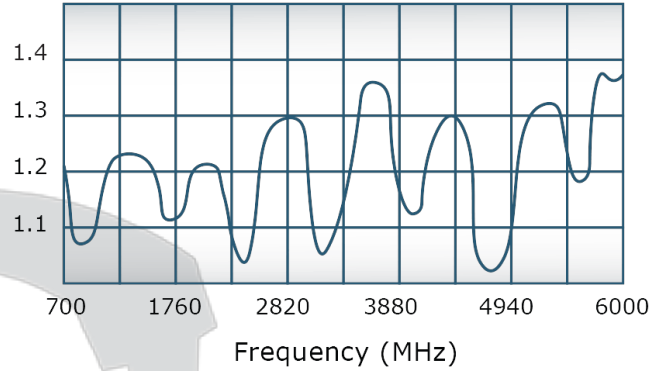
When specified, Werlatone® High Power Combiners and RF Dividers will tolerate full input failures on adjacent port(s). This insures that remaining transmitter(s) may continue to operate until the amplifier system can be properly shut down for maintenance. Choose your specific connector configuration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

Performance Data (Specifications subject to change without notice):

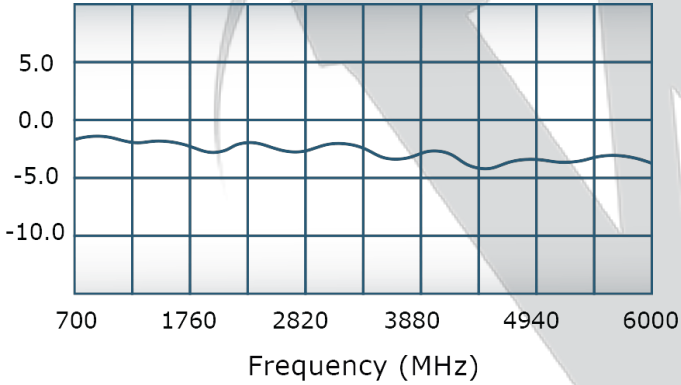
Insertion Loss:



VSWR:



Phase Balance:



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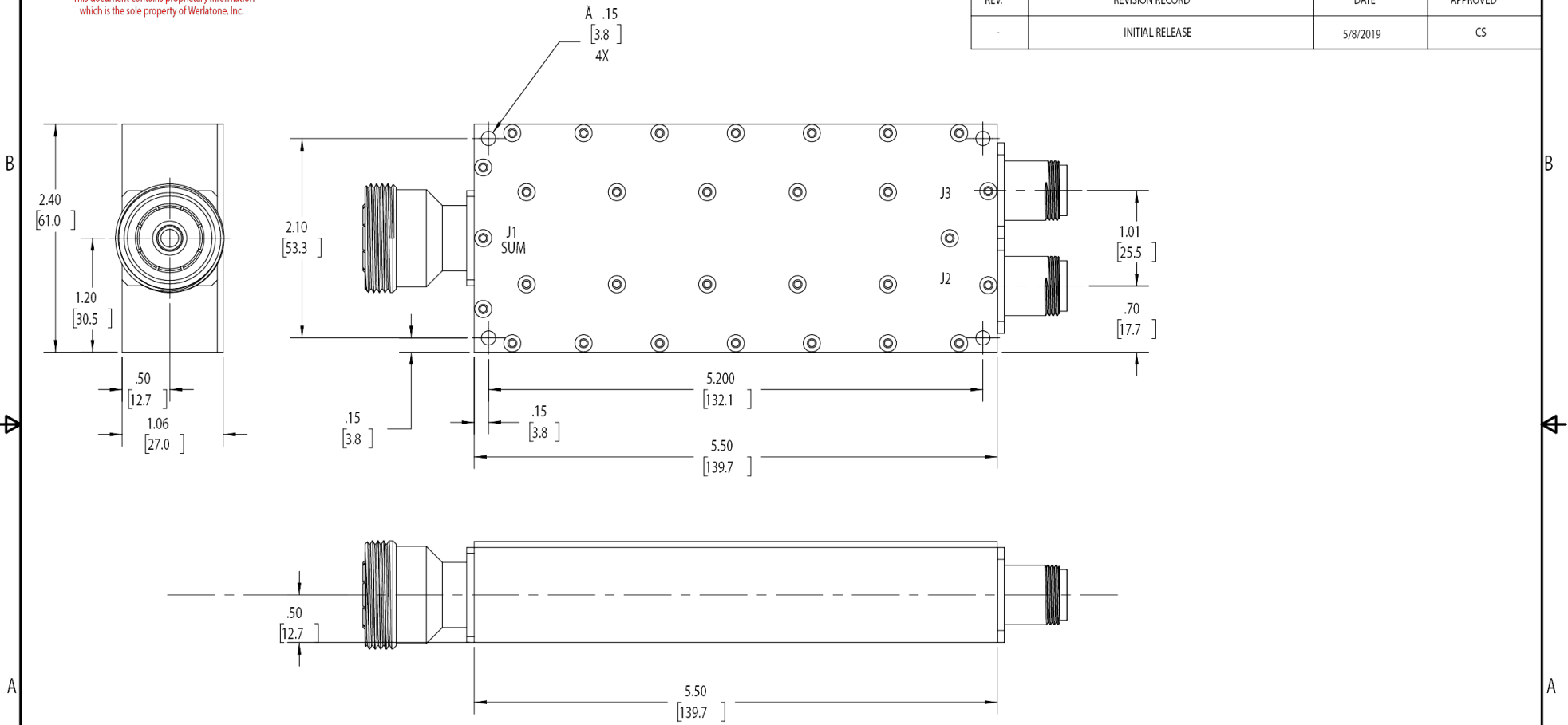
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Werlatone, Inc.

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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	5/8/2019	CS



- NOTES: UNLESS OTHERWISE SPECIFIED
- MATERIAL: ALUMINUM 6061-T6
 - SURFACE FINISH: ELECTROLESS NICKEL- ASTM B733 TYPE IV
 - CONNECTORS:
 - J1: 7-16 (FEMALE)
 - J2, J3: N (FEMALE)

UNLESS OTHERWISE SPECIFIED		DRAWN	PLP	DATE	5/8/2019	WERLATONE SINCE 1965 17 Jon Barrett Rd Patterson, NY 12563
INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5-2018		CHK	CS	DATE	5/8/2019	
DIMENSIONS ARE IN PARENTHESES UNLESS OTHERWISE SPECIFIED		ENGR		DATE		TITLE
TOLERANCES: ANGLES ±.04		INSTR		DATE		OUTLINE
REMOVE ALL BURRS AND SHARP EDGES PER MIL STD 883C		QA		DATE		SIZE
CONFORM TO ALL APPLICABLE MIL SPECIFICATIONS		REL		DATE		CAGE CODE
MATERIAL TOOLS NUMBER: 203 0400						DWG NO
APPLICATION						REV
USED ON						PO
THIRD ANGLE PROJECTION						SCALE
						1:1
						SHEET 1 OF 1

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