

**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:          $\pm 0.2$  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"

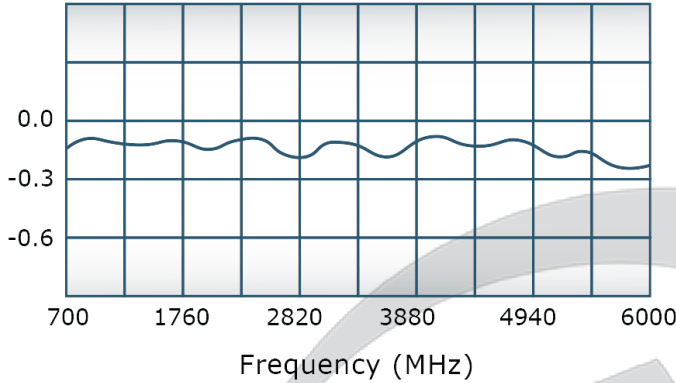
**Connector Configurations:**

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

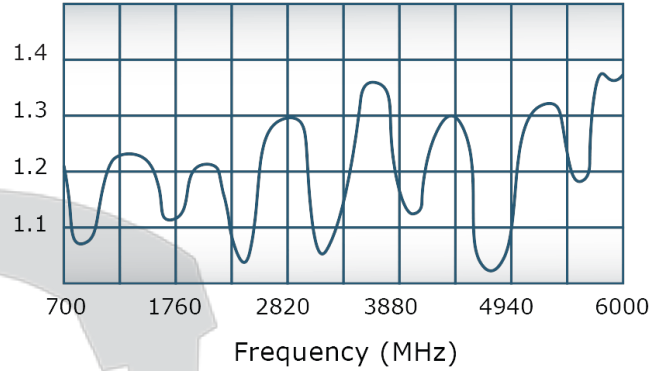
**When specified, Werlatone® High Power Combiners and RF Dividers** will tolerate full input failures on adjacent port(s). This insures that remaining transmitter(s) may continue to operate until the amplifier system can be properly shut down for maintenance. Choose your specific connector configuration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

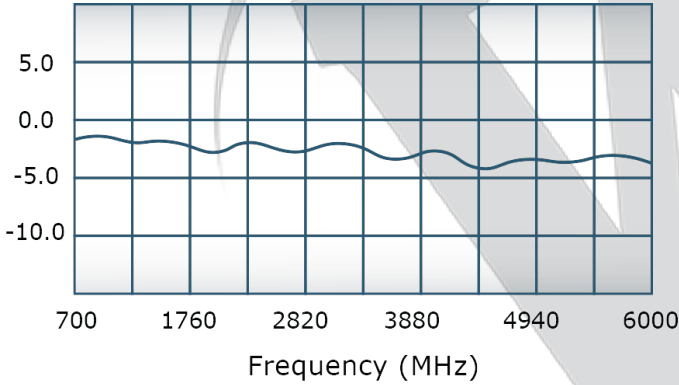
Insertion Loss:



VSWR:



Phase Balance:



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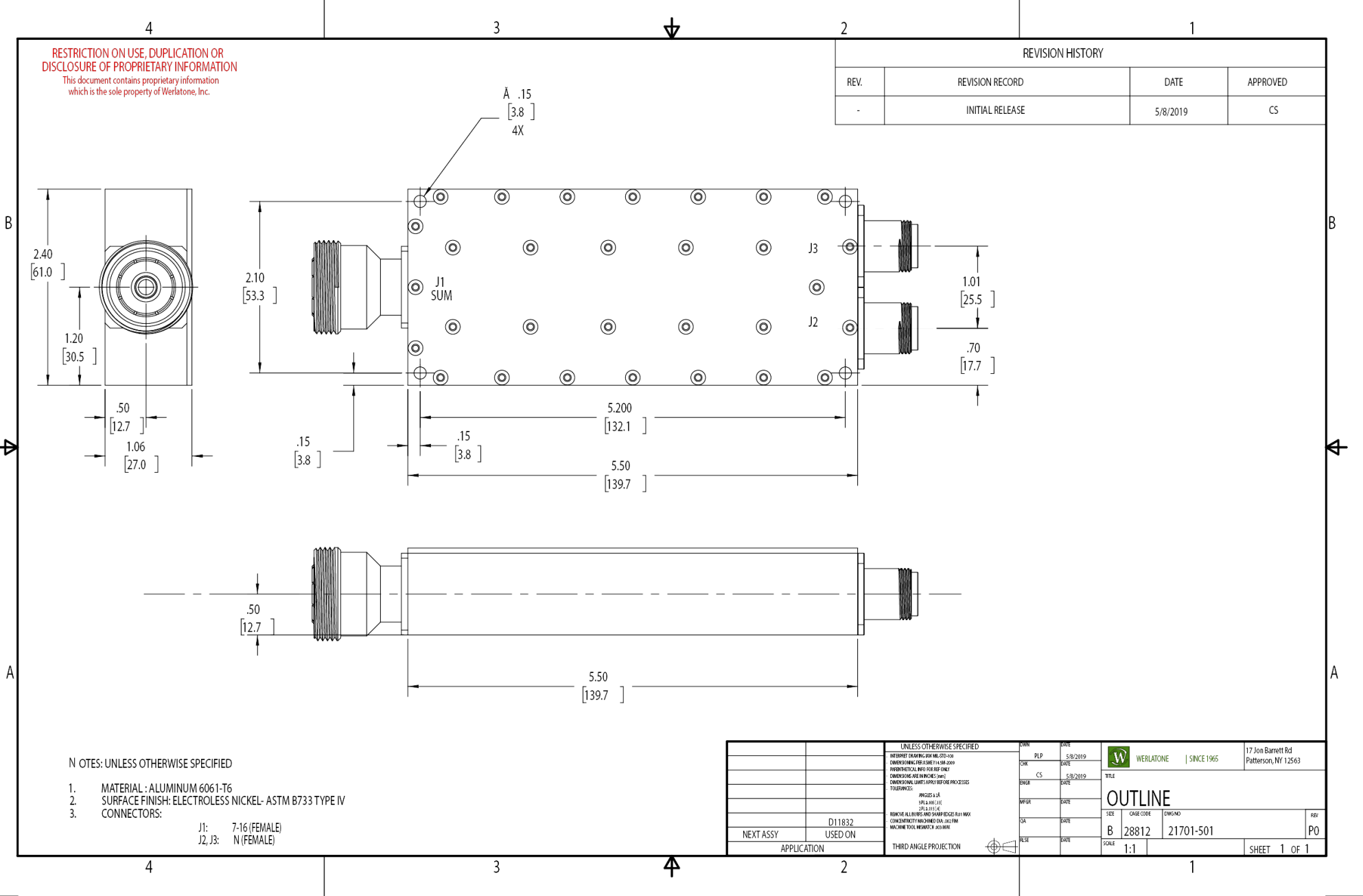
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Werlatone, Inc.

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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	DATE	WERLATONE   SINCE 1965   17 Jon Barrett Rd Patterson, NY 12563
INTERPRET DRAWING IN ACCORDANCE WITH THE FIRST EDITION OF THE ASME Y14.5-2018 DIMENSIONING AND TOLERANCE PRACTICES (MFG) STANDARD UNLESS OTHERWISE SPECIFIED. DIMENSIONS ARE IN INCHES (mm) UNLESS OTHERWISE SPECIFIED. DIMENSIONAL LIMITS REFER TO THE PROCESSED TOOLERANCE.		PLP	5/8/2019	
TOLERANCES:		CHK	DATE	TITLE
ANGLES: 3/4		CS	5/8/2019	
3/8 & 1/4		ENGR	DATE	SCALE
3/16 & 1/8		DATE	DATE	
3/32 & 1/16		DATE	DATE	SHEET 1 OF 1
REMOVE ALL DIMENSIONS AND TOLERANCES FROM THIS DRAWING UNLESS OTHERWISE SPECIFIED. DIMENSIONS ARE IN INCHES (mm) UNLESS OTHERWISE SPECIFIED. DIMENSIONAL LIMITS REFER TO THE PROCESSED TOOLERANCE.		DATE	DATE	
THIRD ANGLE PROJECTION		DATE	DATE	
NEXT ASSY USED ON		DATE	DATE	
APPLICATION		DATE	DATE	

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