

**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:                      2000 - 6000 MHz  
Power:                              500 W CW  
Insertion Loss                      0.45 dB Max.  
VSWR:                              1.40:1 Max.  
Phase Balance:                       $\pm 5^\circ$  dB Max.  
Amplitude Balance:                      0.3 dB Max.  
Isolation:                              Non-Isolated

**Mechanical Specifications:**

Type:                              Connectorized  
Material:                              Aluminum 6061-T6  
Surface Finish:                      Chem. Film Per MIL-DTL-5541F Type II  
    Class 3 (Clear Iridite)  
Operating Temperature:                      -55°C to +75°C  
Storage Temperature:                      -60°C to +85°C  
Size:                                      5.0 x 2.15 x 1.6"

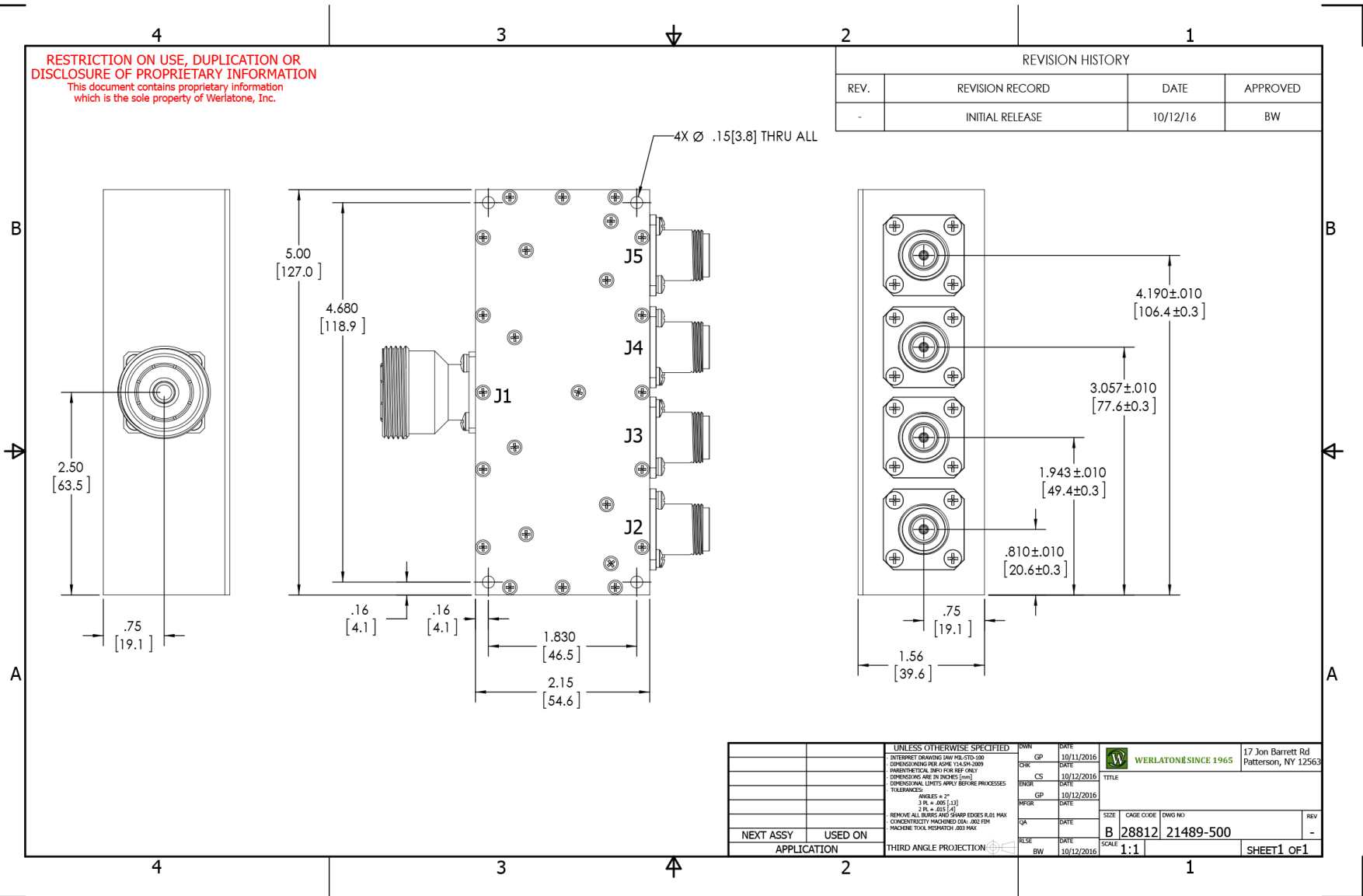
**Connector Configurations:**

<b>Model</b>	<b>Sum Port (J1)</b>	<b>Input/Output (J2-J5)</b>
D10936-20	7/16 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.

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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	10/12/16	BW



UNLESS OTHERWISE SPECIFIED		OWN	DATE	 <b>WERLATONE SINCE 1965</b>	17 Jon Barrett Rd Patterson, NY 12563
INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100		GP	10/11/2016		
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED		CHK	DATE	TITLE	
DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED		CS	10/12/2016	-	
DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		ENGR	DATE	-	
TOLERANCES:		GP	10/12/2016	-	
ANGLES ± 3°		MPGR	DATE	-	
3 R. ± .005 [13]		QA	DATE	SIZE	CAGE CODE [DWG NO]
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX		RELE	DATE	<b>B</b>	<b>28812 21489-500</b>
CONCENTRICITY FACHED .004-.002 FPM		BW	10/12/2016	SCALE	1:1
MACHINE TOOL MISMATCH .003 MAX		THIRD ANGLE PROJECTION		SHEET 1 OF 1	

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