

**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 - 4000 MHz  
 Power:                        700 W CW  
 Insertion Loss:            0.45 dB Max.  
 VSWR:                        1.40:1 Max.  
 Phase Balance:             $\pm 5^\circ$  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) RoHS Compliant  
    Available  
 Operating Temperature:    -55°C to +75°C  
 Storage Temperature:      -60°C to +85°C  
 Size:                            5.0 x 2.15 x 1.56"

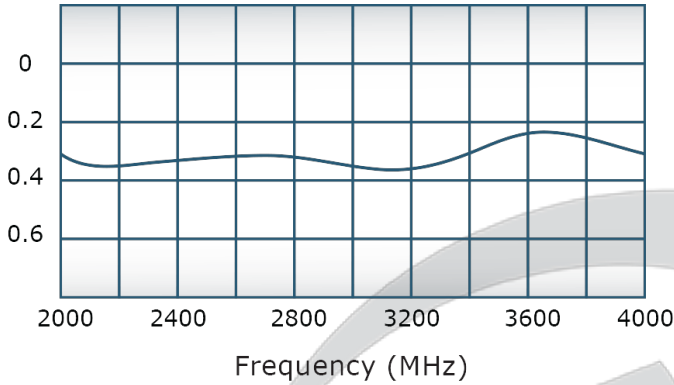
**Connector Configurations:**

Model	Sum Port (J1)	Input/Output (J2-J5)
D10885-20	7/16 Female	N Female

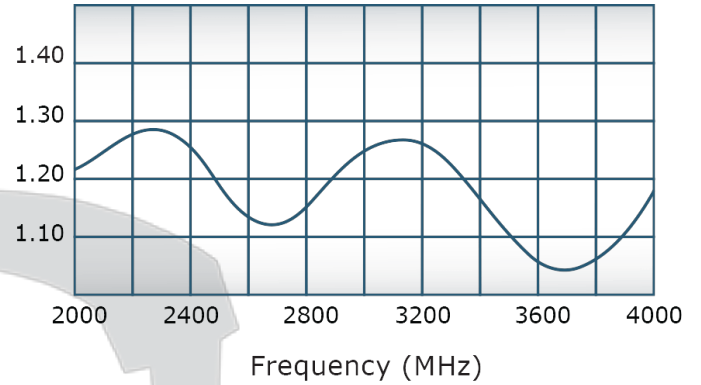
**When specified, Werlatone® High Power Combiners and RF Dividers** will tolerate full input failures on adjacent port(s). This insures that remaining transmitter(s) may continue to operate until the amplifier system can be properly shut down for maintenance. Choose your specific connector configuration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

## Performance Data (Specifications subject to change without notice):

Insertion Loss:



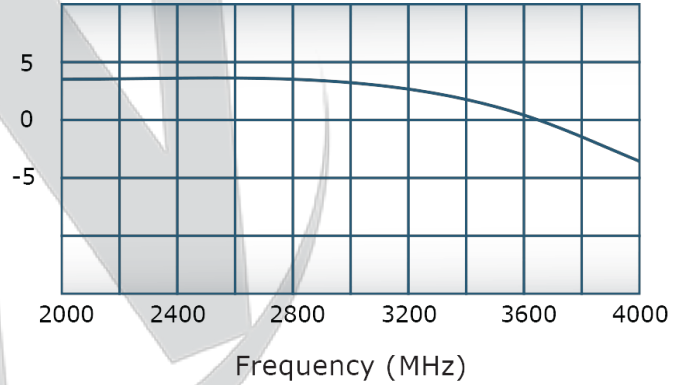
VSWR:



Since 1965:



Phase Balance:

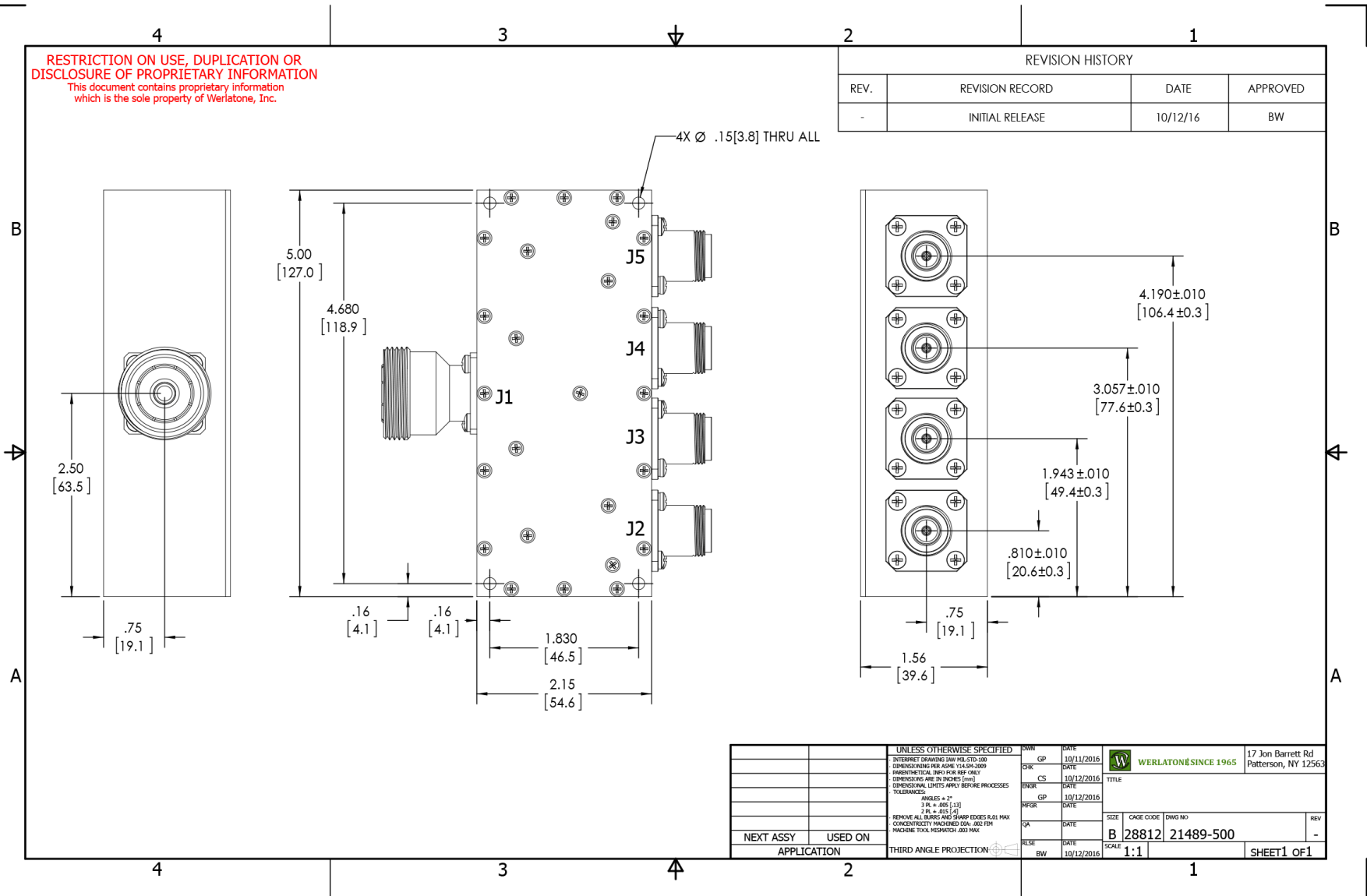


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Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

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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 DIMENSIONS PER ASME Y14.5M-2009 DIMENSIONS ARE IN INCHES (mm) DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		CHK	DATE		
TOLERANCES:		ENGR	DATE	TITLE	
ANGLES = 3°		GP	DATE	DATE	
3 RL ± .005 [13]		MPGR	DATE	SIZE	
2 RL ± .015 [4]		QA	DATE	CAGE CODE [DWG NO]	
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX		RELE	DATE	B 28812 21489-500	
CONCENTRICITY FACHED .004-.002 FPM		BW	DATE	SCALE	
MACHINE TOOL MISMATCH .003 MAX			10/12/2016	1:1	
NEXT ASSY	USED ON	SHEET 1 OF 1			
APPLICATION		THIRD ANGLE PROJECTION			

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