

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"

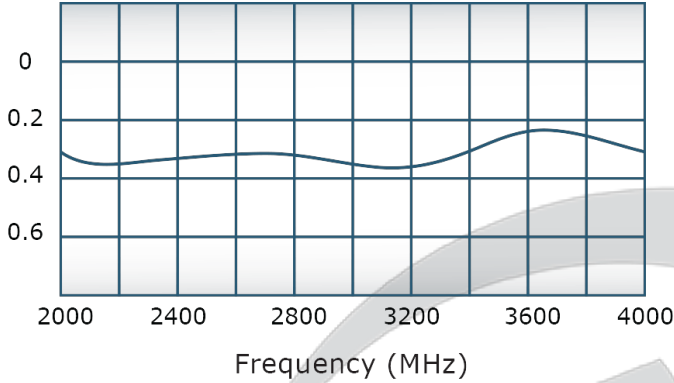
Connector Configurations:

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

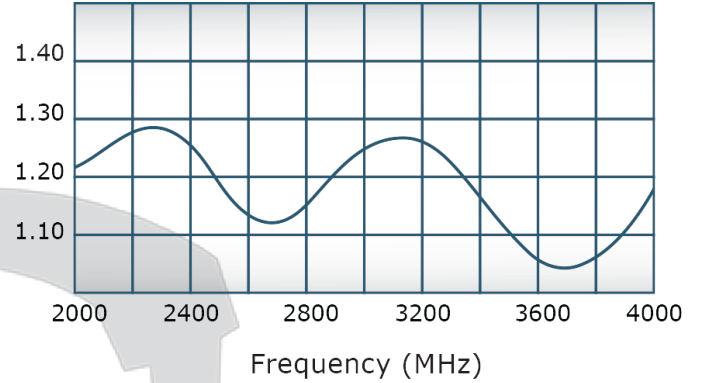
When specified, Werlatone® High Power Combiners and RF Dividers will tolerate full input failures on adjacent port(s). This insures that remaining transmitter(s) may continue to operate until the amplifier system can be properly shut down for maintenance. Choose your specific connector configuration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



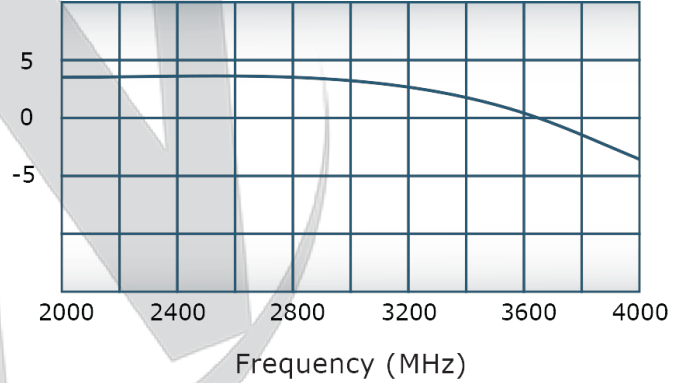
VSWR:



Since 1965:

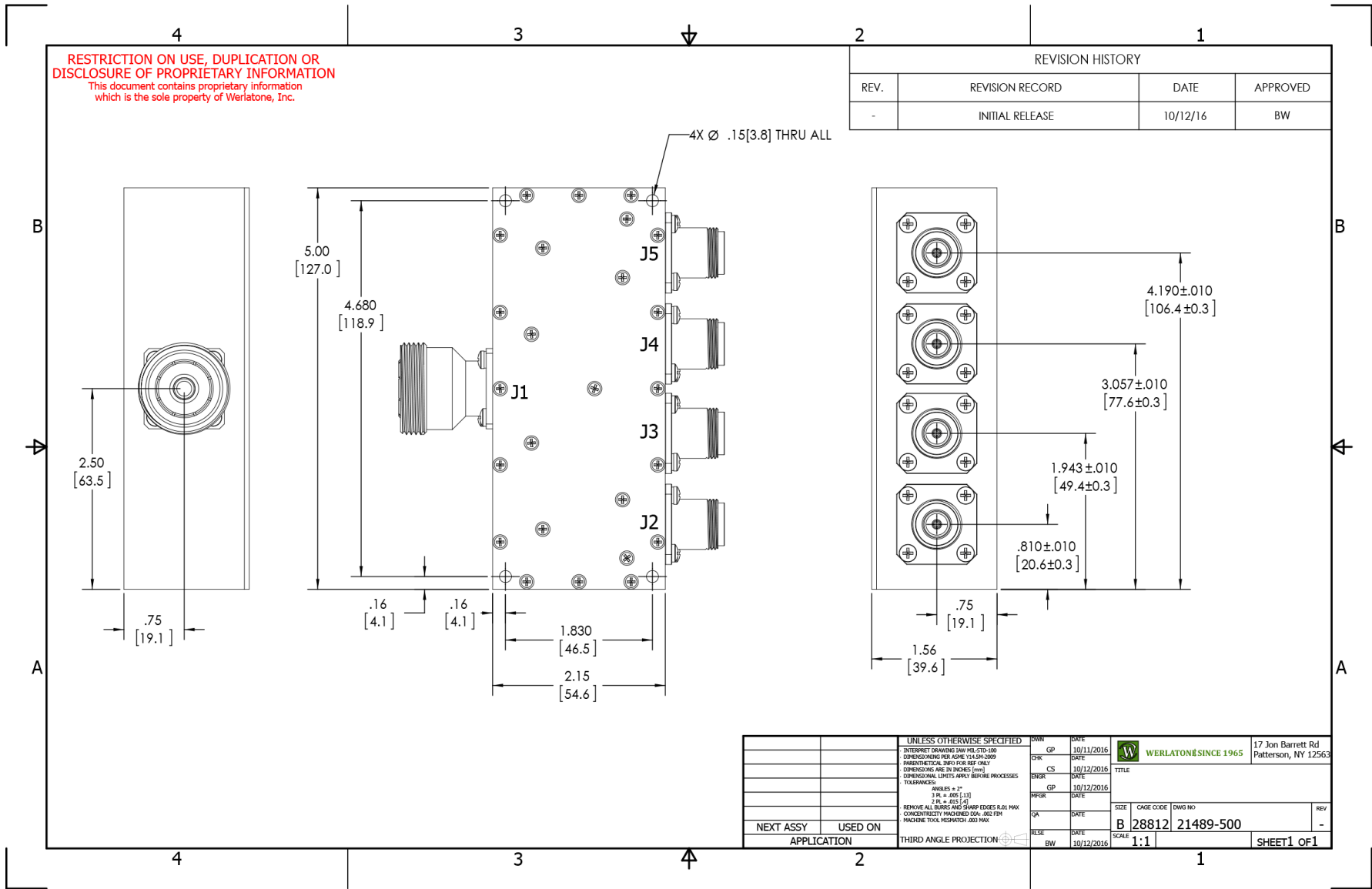


Phase Balance:



Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of Werlatone, Inc.

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



RESTRICTION ON USE, DUPLICATION OR DISCLOSURE OF PROPRIETARY INFORMATION
 This document contains proprietary information which is the sole property of Werlatone, Inc.

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

UNLESS OTHERWISE SPECIFIED		OWN	DATE	 WERLATONE SINCE 1965	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 INCHES (mm)		CS	10/12/2016	-	
DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		ENGR	DATE	-	
TOLERANCES:		GP	10/12/2016	-	
ANGLES ± .3°		MPGR	DATE	-	
3 RL ± .005 [13]		QA	DATE	SIZE	CAGE CODE [DWG NO]
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX		RELSE	DATE	B	28812 21489-500
CONCENTRICITY FACHDED .004 - .002 FPM		BW	10/12/2016	SCALE	REV
MACHINE TOOL MISMATCH .003 MAX				1:1	-
NEXT ASSY	USED ON	THIRD ANGLE PROJECTION			
APPLICATION		SHEET 1 OF 1			

Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of Werlatone, Inc.
 Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com