

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: 800 - 3000 MHz
 Power: 500 W CW
 Insertion Loss: 0.65 dB Max.
 VSWR: 1.40:1 Max.
 Phase Balance: $\pm 3^\circ$ Max.
 Amplitude Balance: 0.2 dB Max.
 Isolation: 15 dB Min.

Mechanical Specifications:

Type: Connectorized
 Material: Aluminum 6061-T6
 Surface Finish: Chem. Film Per MIL-DTL-5541F Type I Class 3 (Yellow Iridite) RoHS Compliant Available
 Operating Temperature: -55°C to +75°C
 Storage Temperature: -60°C to +85°C
 Weight: 1 lb. 15 oz.
 Size: 6.4 x 3.8 x 1.16"

Connector Configurations:

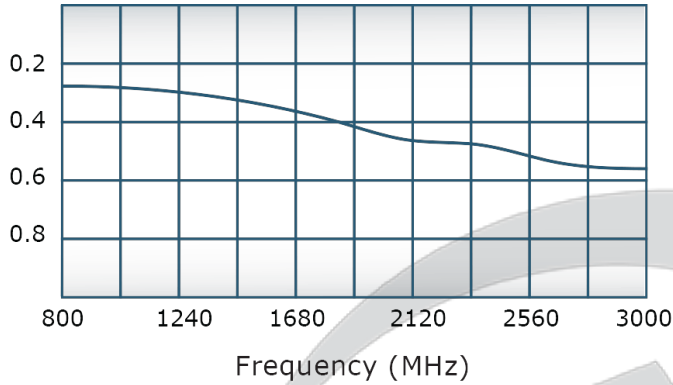
Model	Sum Port (J1)	Input/Output (J2-J5)
D10380-41	SC Female	N Female

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.

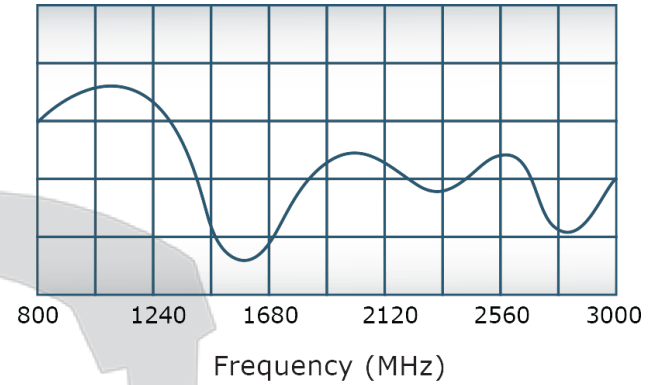


Performance Data (Specifications subject to change without notice):

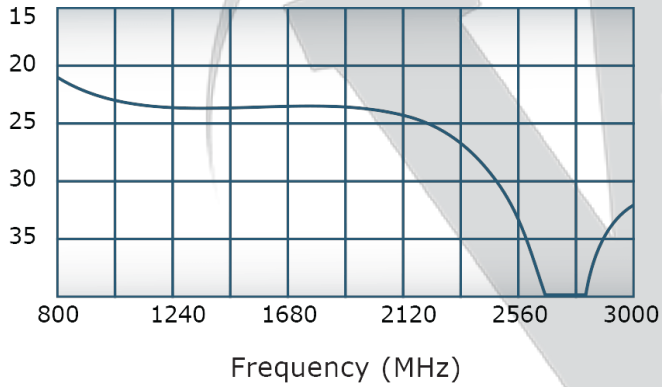
Coupling:



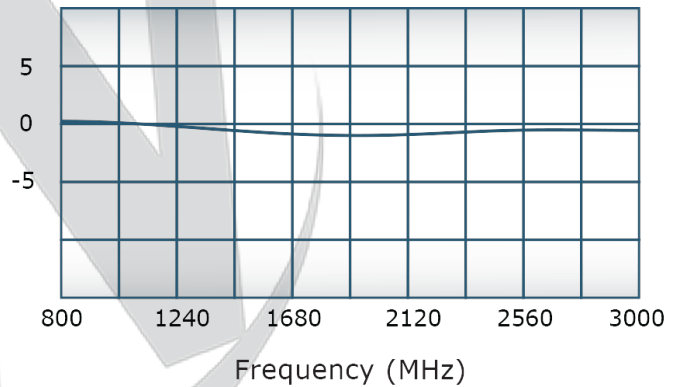
VSWR:



Isolation:



Phase Balance:



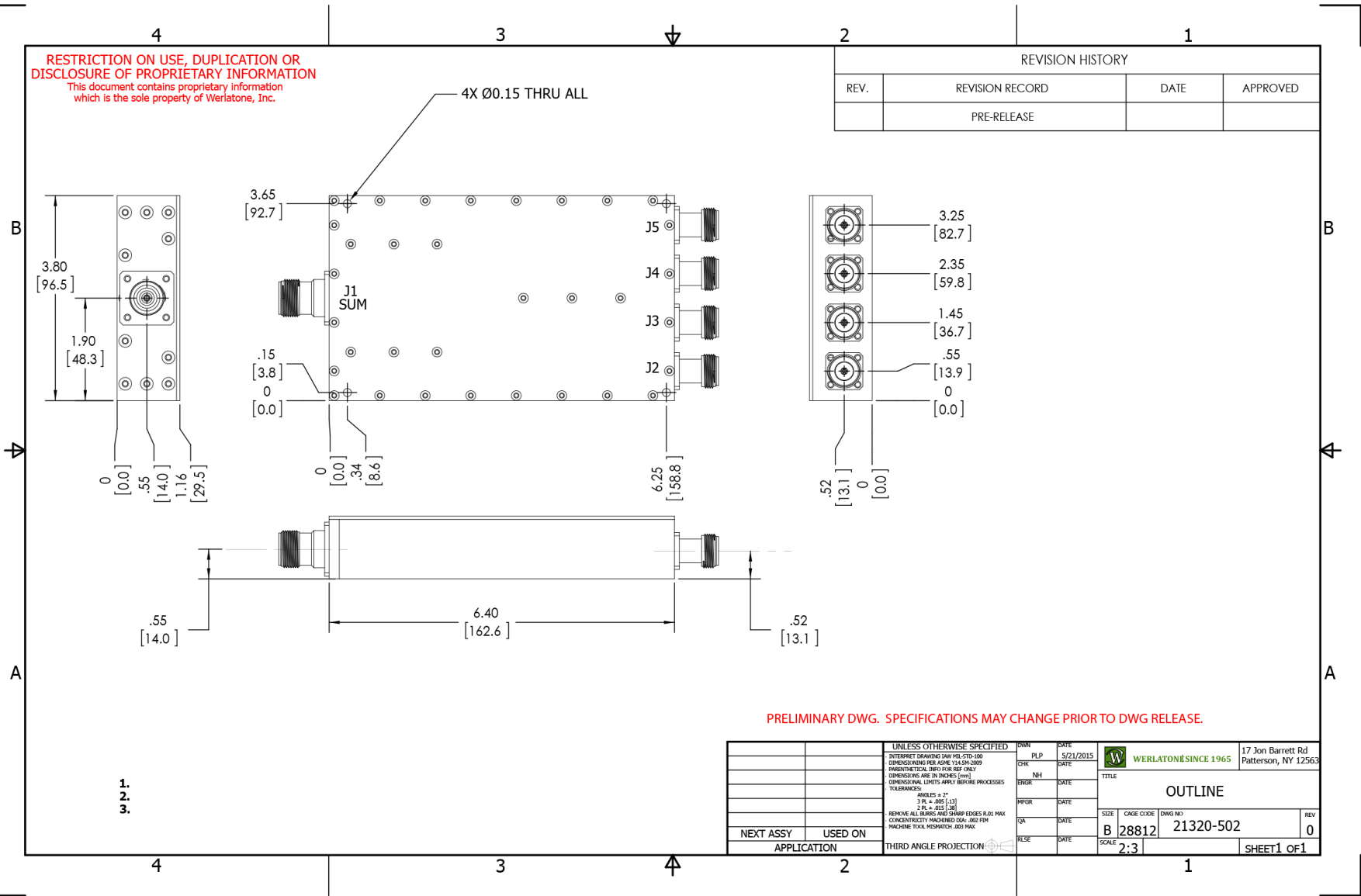
Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of

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
	PRE-RELEASE		



PRELIMINARY DWG. SPECIFICATIONS MAY CHANGE PRIOR TO DWG RELEASE.

UNLESS OTHERWISE SPECIFIED		DATE	17 Jon Barrett Rd
INTERSHIFT DRAWING (AWI MIL-STD-100)	PLP	5/21/2015	Patterson, NY 12563
DIMENSIONING PER ASME Y14.5M-2009	CHK		
ISOMETRIC/DRAWING FOR REF ONLY	NH		
DIMENSIONS ARE IN INCHES (mm)	ENG		
DIMENSIONAL LIMITS APPLY BEFORE PROCESSES	DATE		
TOLERANCES:	MPGR		
ANGLES = 3°	QA		
3 RL ± .005 (13)	DATE		
2 RL ± .015 (38)	RELE		
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX			
CONCENTRICITY FRACTIONED DIA. .002 FPM			
MACHINE TOOL MISMATCH .003 MAX			
THIRD ANGLE PROJECTION			

NEXT ASSY	USED ON	SIZE	CAGE CODE	DWG NO	REV
APPLICATION		B	28812	21320-502	0
		SCALE	SHEET 1 OF 1		
		2:3			

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