

PRODUCT DATA SHEET

D9002

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: 80 - 1000 MHz
 Power: 750 W CW
 Insertion Loss: 0.6 dB Max.
 VSWR: 1.35:1 Max.
 Phase Balance: ± 5° Max.
 Amplitude Balance: 0.3 dB Max.
 Isolation: 17 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: 2.5 lbs.
 Size: 5.0 x 4.7 x 1.4"

Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2-J5)
D9002-10	N Female	N Female
D9002-12	N Female	SMA

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.

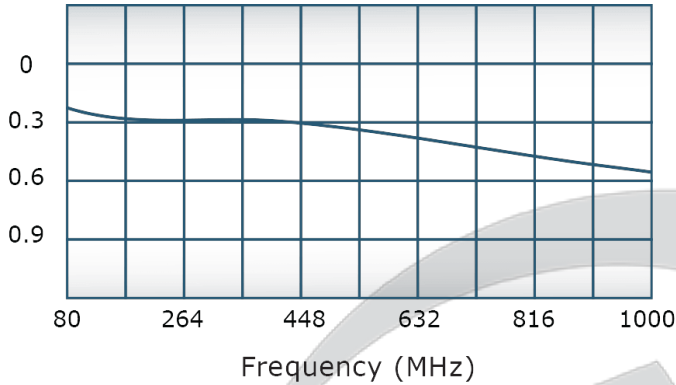
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Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

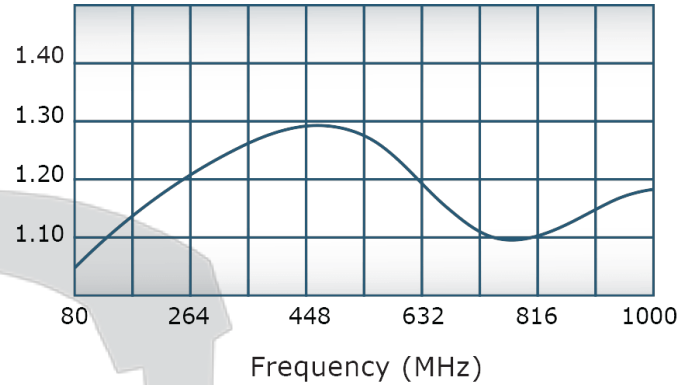


Performance Data (Specifications subject to change without notice):

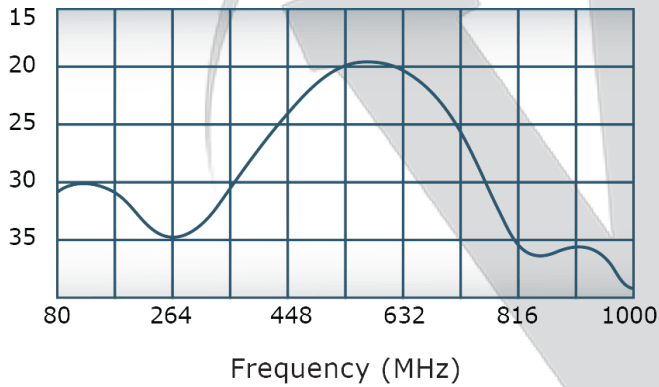
Insertion Loss:



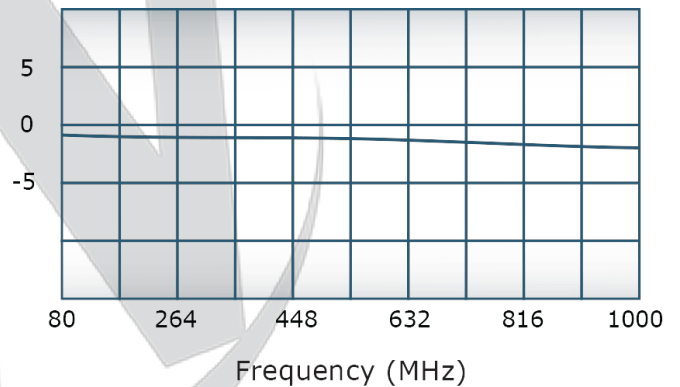
VSWR:



Isolation:

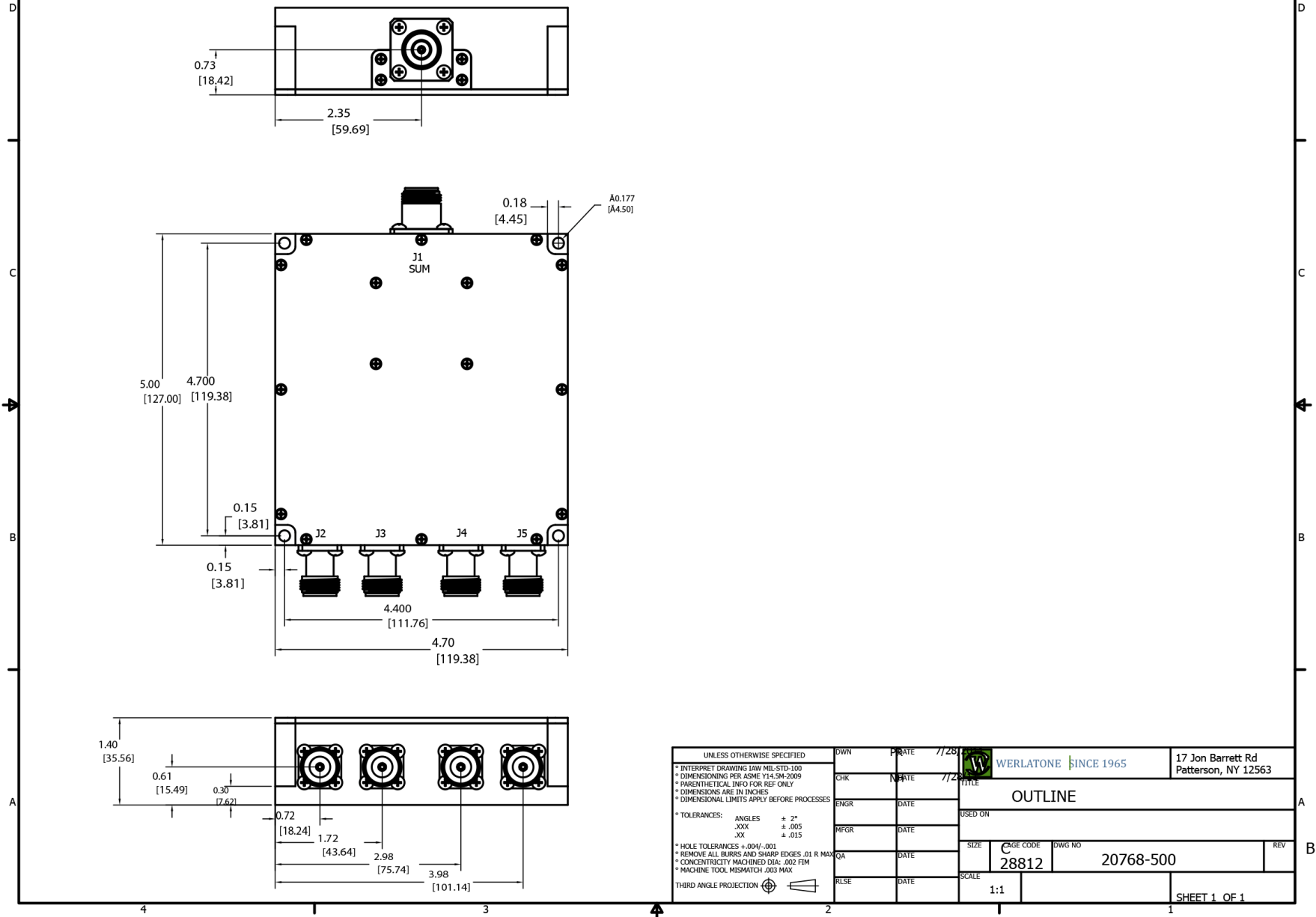


Phase Balance:



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REVISION HISTORY					
DATE	REV	REVISION RECORD	AUTH	CHK	APPV
6/6/13	B	8215	PK		



UNLESS OTHERWISE SPECIFIED		DWN	DATE	7/26/13	WERLATONE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563	
* INTERPRET DRAWING IAW MIL-STD-100 * DIMENSIONING PER ASME Y14.5M-2009 * PARENTHEUSIAL INFO FOR REF ONLY * DIMENSIONS ARE IN INCHES * DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		CHK	DATE	7/26/13		TITLE OUTLINE	
* TOLERANCES: ANGLES ± 2° .XXX ± .005 .XX ± .015		ENGR	DATE		USED ON		
* HOLE TOLERANCES ±.004/- .001 * REMOVE ALL BURRS AND SHARP EDGES .01 R MAX * CONCENTRICITY MACHINED DIA: .002 FIM * MACHINE TOOL MISMATCH .003 MAX		MFR	DATE		SIZE	CAGE CODE	DWG NO
THIRD ANGLE PROJECTION		QA	DATE		28812	20768-500	REV
		RLSE	DATE		SCALE	1:1	SHEET 1 OF 1

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