


PRODUCT DATA SHEET
D10856

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 Partial 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: Partially 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
 Weight: 2 lbs. 10 oz.
 Size: 5.0 x 4.7 x 1.4"

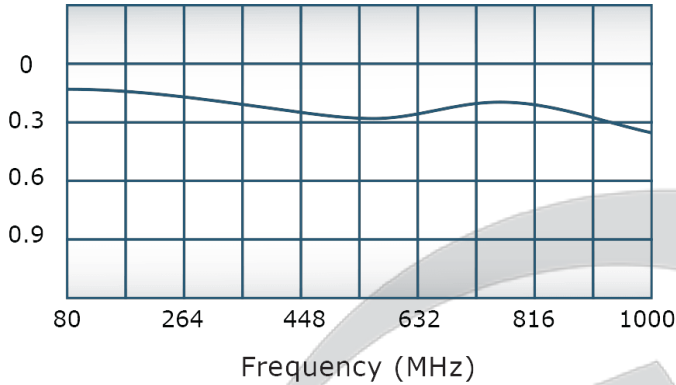
Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2-J5)
D10856-10	N Female	N Female
D10856-12	N Female	SMA

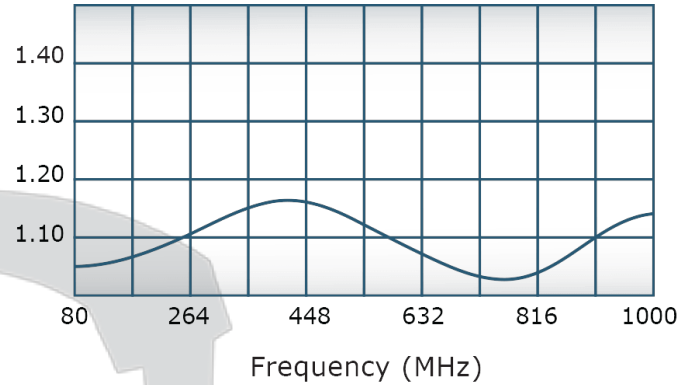
When specified, Werlatone® High Power Combiners and RF Dividers will tolerate full input failures on adjacent port(s). This insures that remaining transmitter(s) may continue to operate until the amplifier system can be properly shut down for maintenance. Choose your specific connector configuration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


Performance Data (Specifications subject to change without notice):

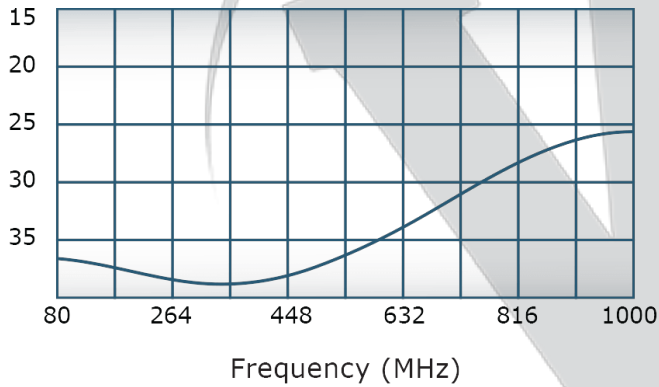
Insertion Loss:



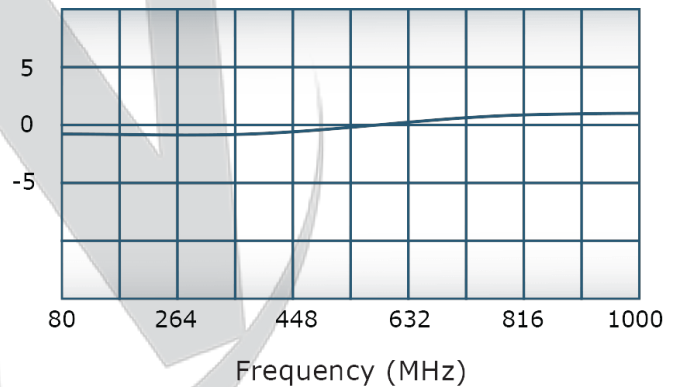
VSWR:



Isolation:

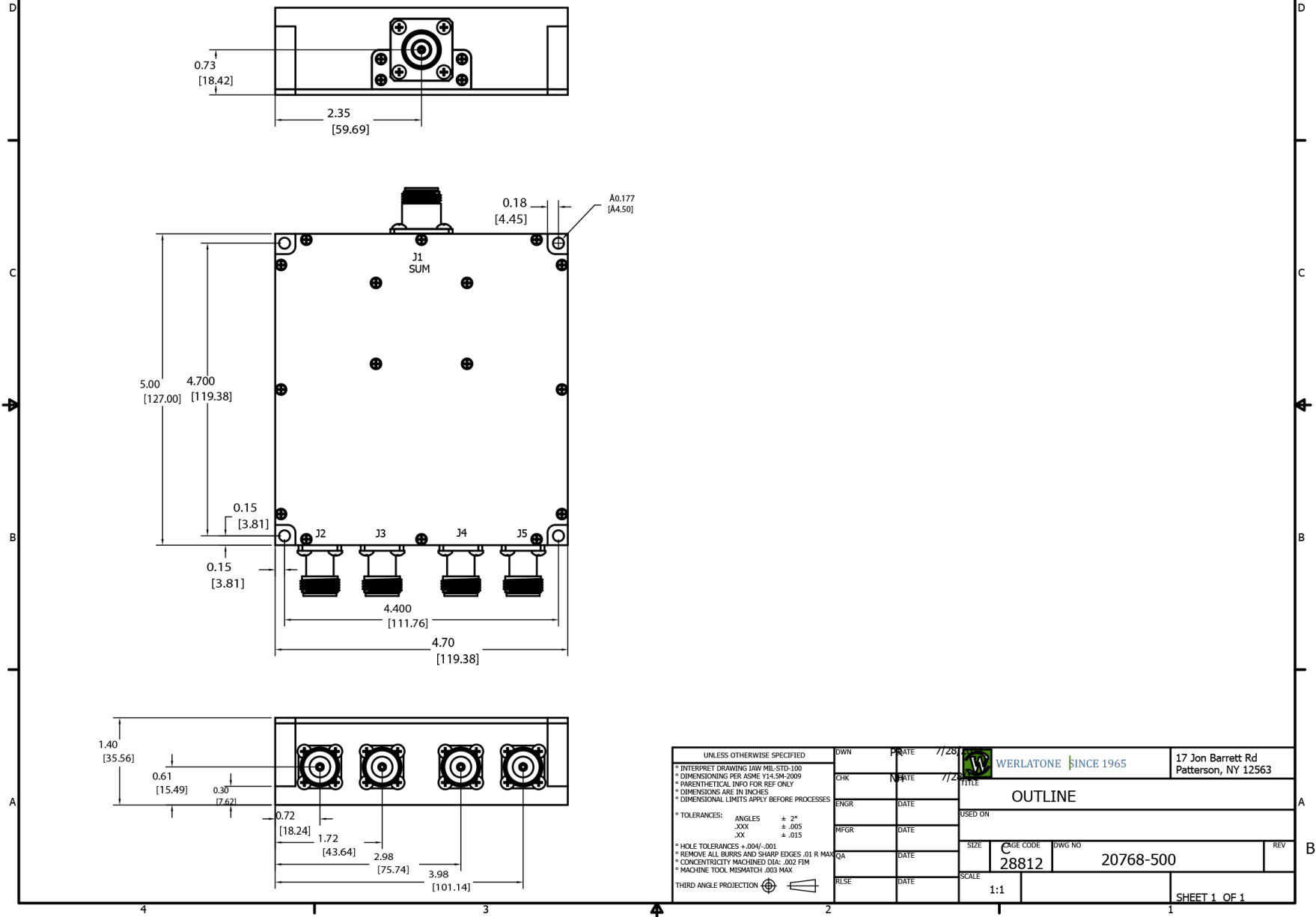


Phase Balance:



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

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