
PRODUCT DATA SHEET
D8851W

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: 20 - 1000 MHz
 Power: 500 W CW
 Insertion Loss: 0.7 dB Max.
 VSWR: 1.35:1 Max.
 Phase Balance: ± 5° Max.
 Amplitude Balance: 0.3 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: 2.5 lbs.
 Size: 5.62 x 3.07 x 1.8"

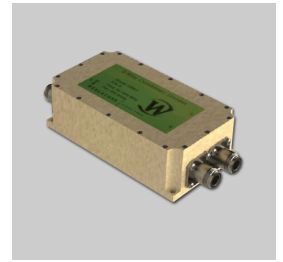
Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D8851W-10	N Female	N Female	N Female
D8851W-12	N Female	SMA	SMA
D8851W-41	SC Female	N 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.

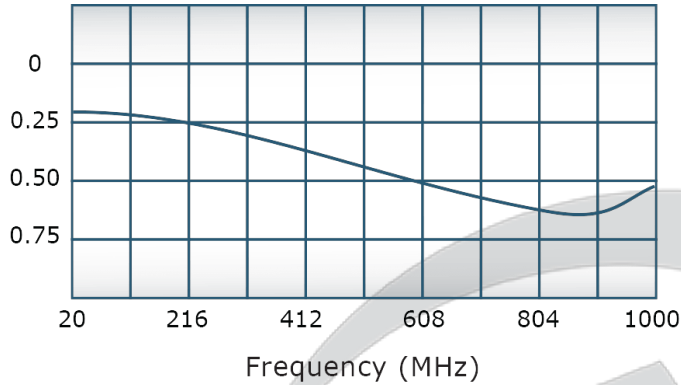
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Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

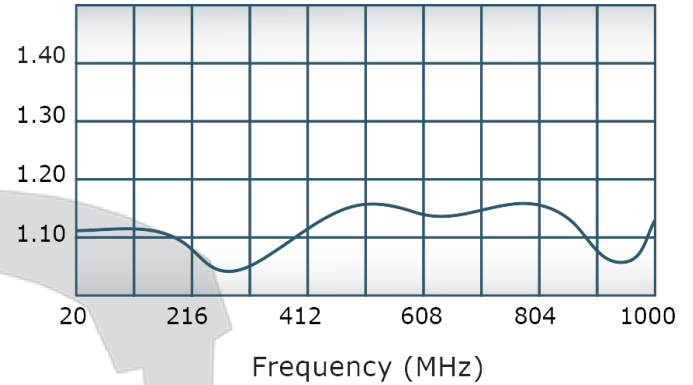


Performance Data (Specifications subject to change without notice):

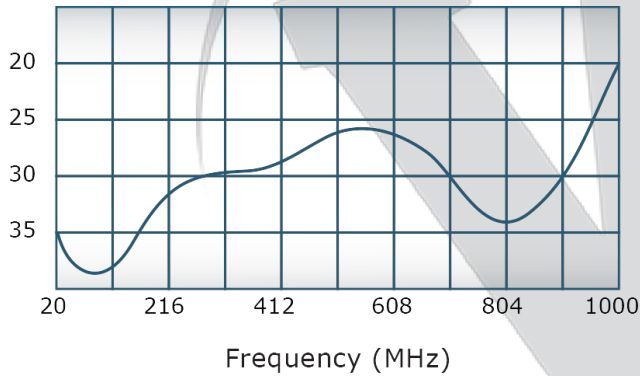
Insertion Loss:



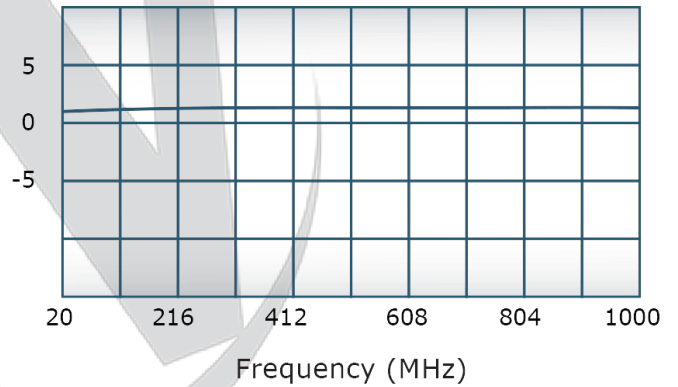
VSWR:



Isolation:



Phase Balance:



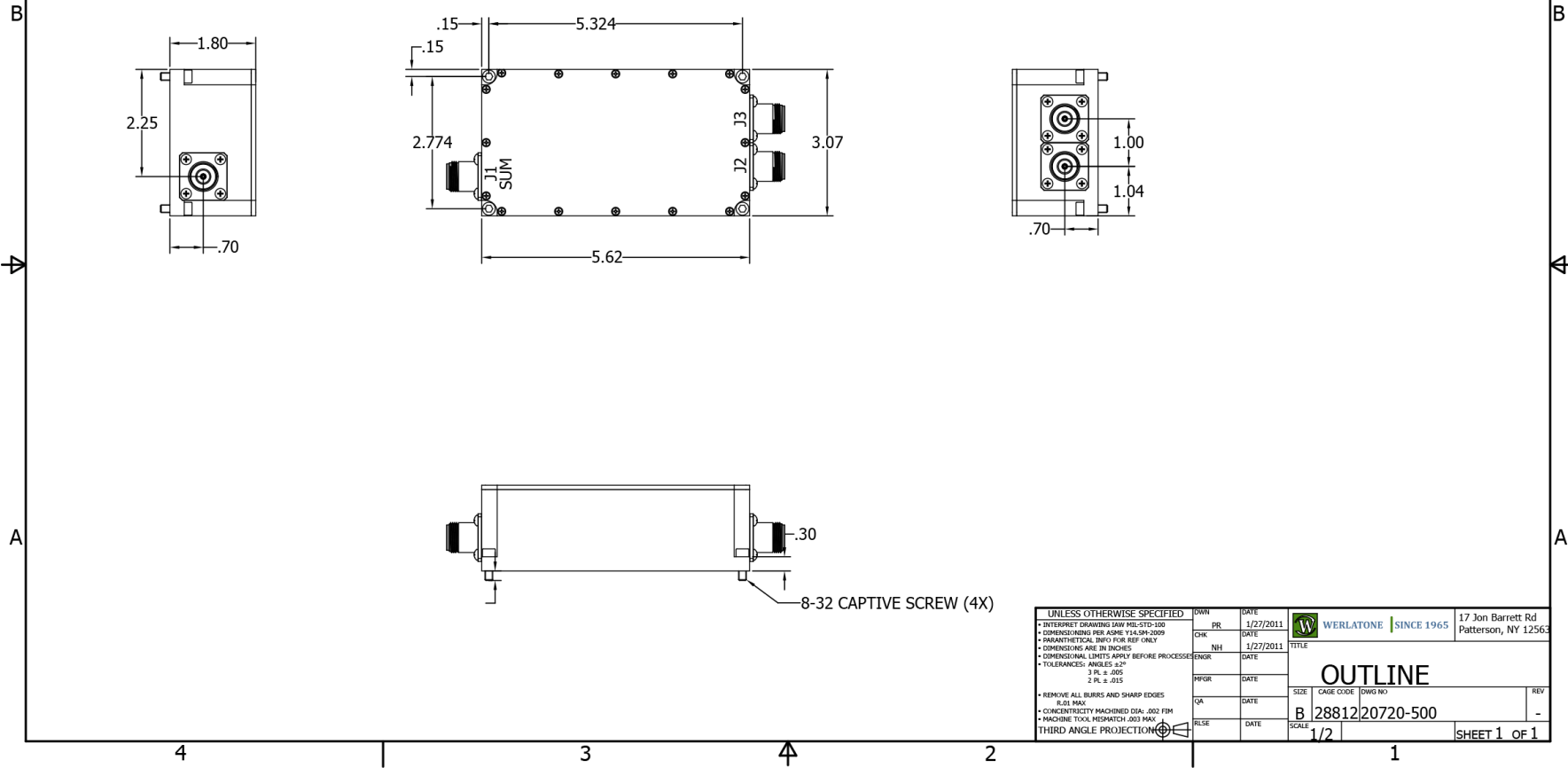
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REVISION HISTORY			
REV	REVISION RECORD	DATE	APPROVED
	INITIAL RELEASE	1/27/11	



UNLESS OTHERWISE SPECIFIED		OWN	DATE	WERLATONE SINCE 1965		17 Jon Barrett Rd Patterson, NY 12563	
• INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100	• DIMENSIONING PER ASME Y14.5M-2009	CHK	DATE	TITLE		REV	
• DIMENSIONS ARE IN INCHES	• DIMENSIONAL LIMITS APPLY BEFORE PROCESSING	ENGR	DATE	B 2881220720-500		-	
• TOLERANCES: ANGLES ±2°	3 PL. & .015	MFR	DATE	SCALE	1/2	SHEET 1 OF 1	
• REMOVE ALL BURRS AND SHARP EDGES	R/.015 MAX	QA	DATE	CAGE CODE DWG NO			
• CONCENTRICITY MACHINED DIA: .002 FIM	• MACHINE TOOL MISMATCH .003 MAX	RLSE	DATE				
THIRD ANGLE PROJECTION							

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