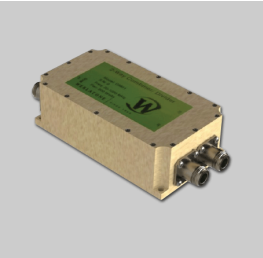
WERLATONE

Model D8851W
Combiners In-Phase Connectorized



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

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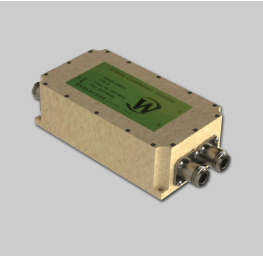
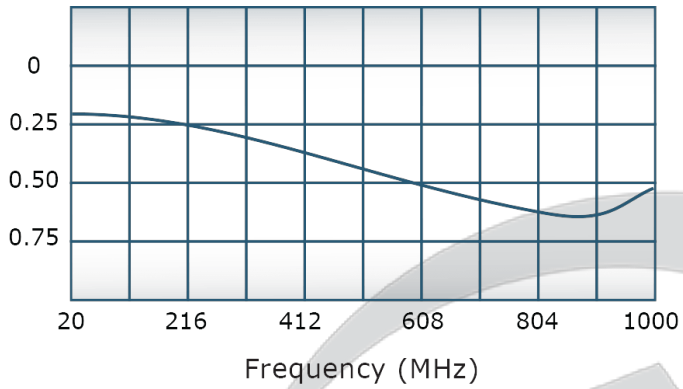
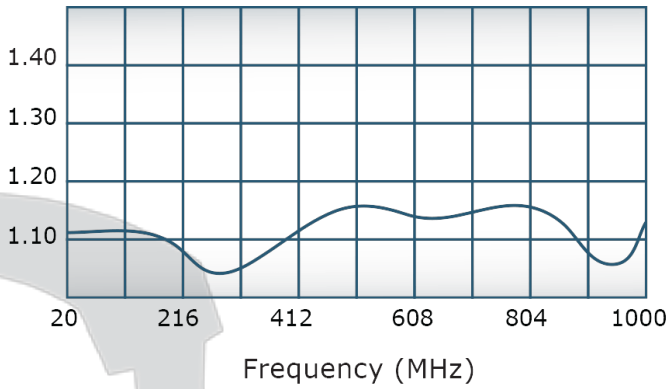


Performance Data (Specifications subject to change without notice):

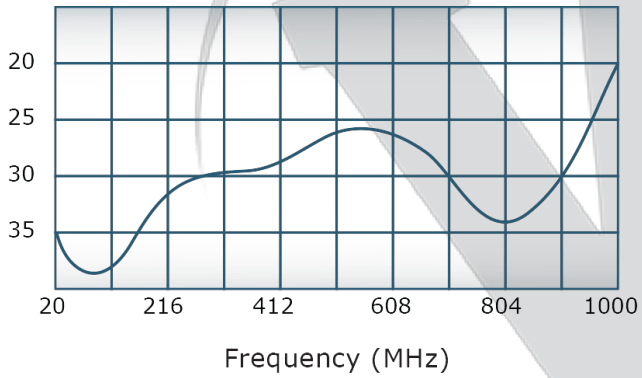
Insertion Loss:



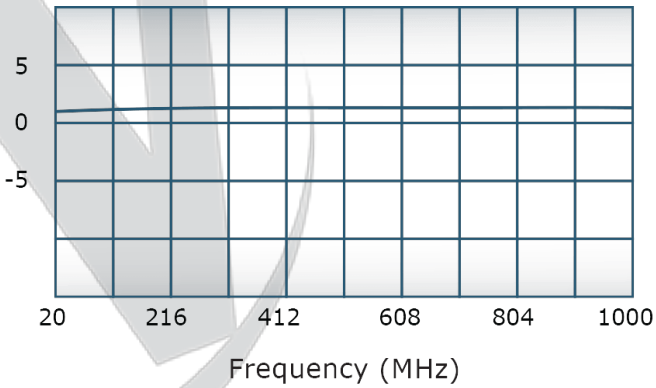
VSWR:



Isolation:



Phase Balance:



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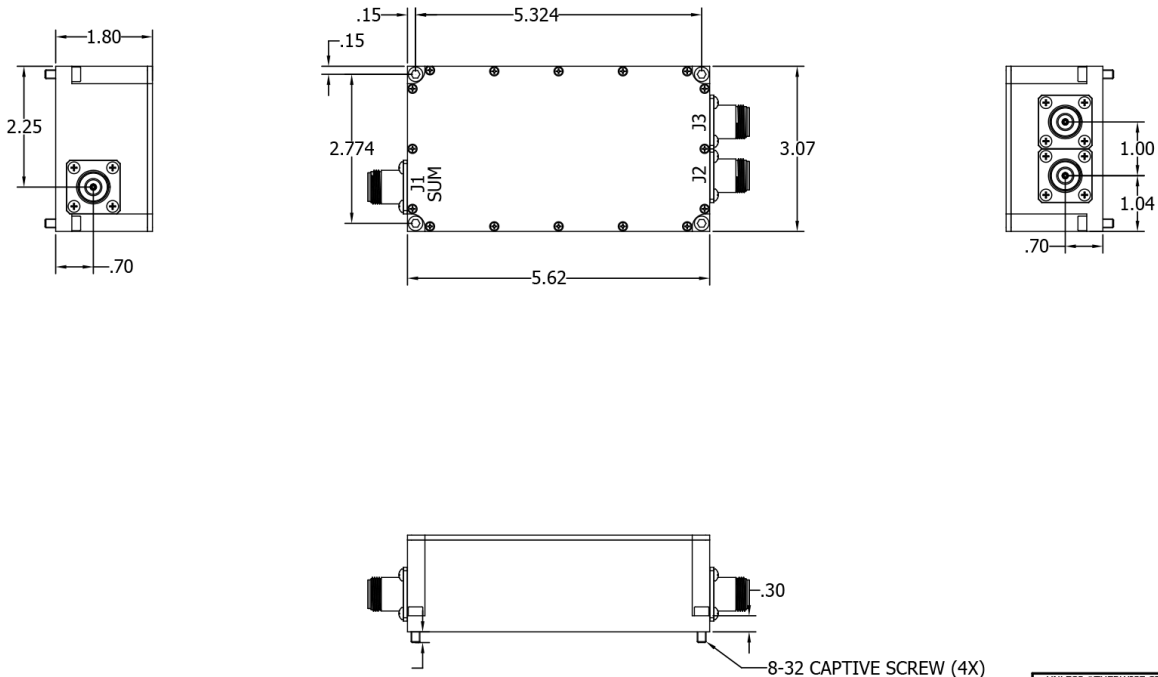
REVISION HISTORY			
REV	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	1/27/11	



UNLESS OTHERWISE SPECIFIED				
• INTERPRET DRAWING IAW MIL-STD-100 • DIMENSIONING PER ASME Y14.5M-2009 • PARANTHETICAL INFO FOR REF ONLY • DIMENSIONS ARE IN INCHES • DIMENSIONAL LIMITS APPLY BEFORE PROCESSES • TOLERANCES: ANGLES ±2° 3 PL ± .005 2 PL ± .015 • REMOVE ALL BURRS AND SHARP EDGES R.01 MAX • CONCENTRICITY MACHINED DIA: .002 FIM • MACHINE TOOL MISMATCH .003 MAX THIRD ANGLE PROJECTION	DWN	PR	1/27/2011	WERLATONE | SINCE 1965 17 Jon Barrett Rd Patterson, NY 12563
	CHK	NH	1/27/2011	TITLE: OUTLINE
	ENGR			SIZE: B | CAGE CODE: 28812 | DWG NO: 20720-500 | REV: -
	MFGR			SCALE: 1/2 | SHEET 1 OF 1
	QA			
	RLSE			

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