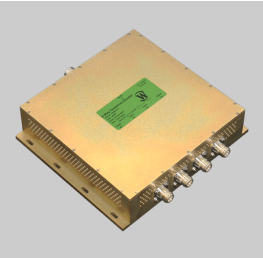
WERLATONE

Model D8803
Combiners In-Phase Connectorized



PRODUCT DATA SHEET **D8803**

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 - 300 MHz
Power:	1750 W CW
Insertion Loss:	0.5 dB Max.
VSWR:	1.30:1 Max.
Phase Balance:	± 5° Max.
Amplitude Balance:	0.2 dB Max.
Isolation:	18 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:	11.25 lbs.
Size:	9.4 x 8.4 x 2.25''

Connector Configurations:

Model	**Sum Port (J1)**	**Input/Output (J2-J5)**
D8803-20	7/16 Female	N Female
D8803-40	SC Female	SC Female
D8803-41	SC Female	N Female

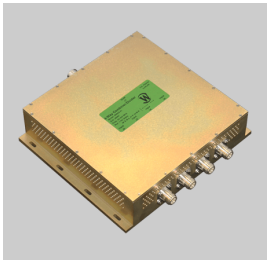
When specified, Werlatone® High Power Combiners and RF Dividers will tolerate full input failures on adjacent port(s). This insures that remaining transmitter(s) may continue to operate until the amplifier system can be properly shut down for maintenance. Choose your specific connector configuration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

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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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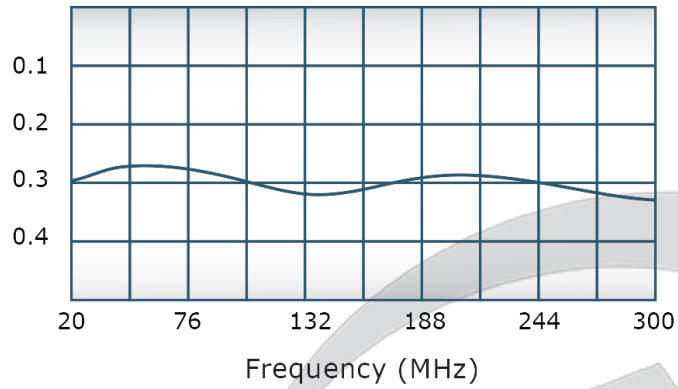
Model D8803
Combiners In-Phase Connectorized



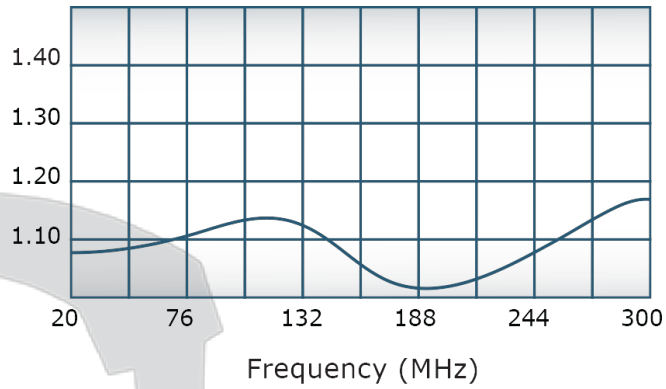
PRODUCT DATA SHEET **D8803**

Performance Data (Specifications subject to change without notice):

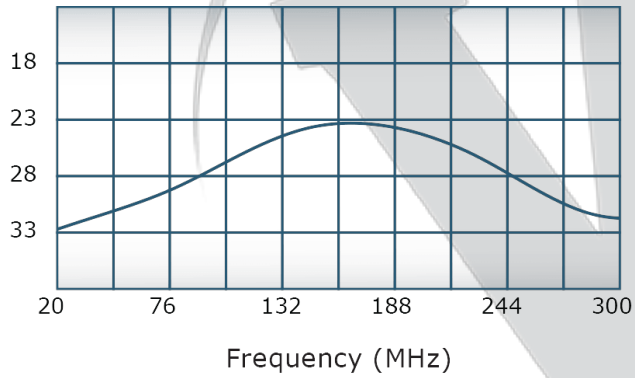
Insertion Loss:



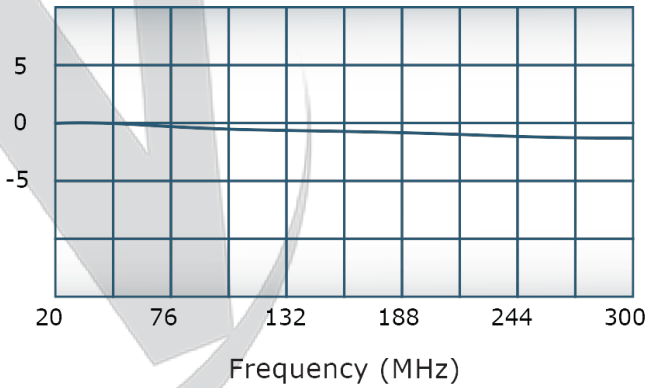
VSWR:



Isolation:



Phase Balance:



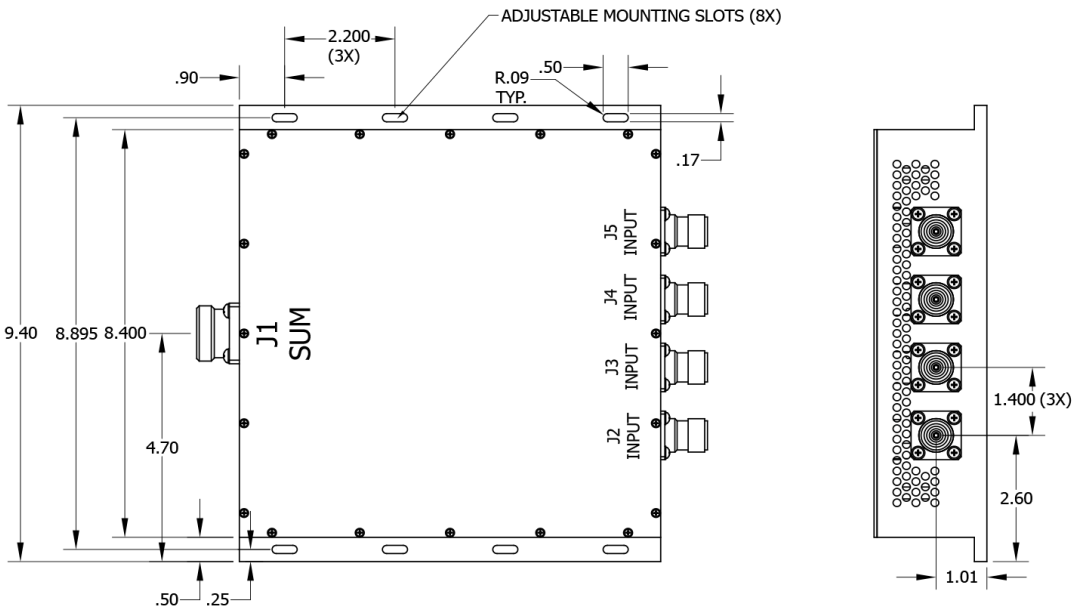
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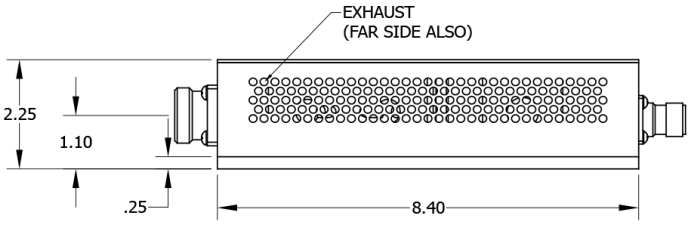
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REVISION HISTORY					
DATE	REV	REVISION RECORD	AUTH	CHK	APPV





UNLESS OTHERWISE SPECIFIED					
° INTERPRET DRAWING IAW MIL-STD-100 ° DIMENSIONING PER ASME Y14.5M-2009 ° PARENTHETICAL INFO FOR REF ONLY ° DIMENSIONS ARE IN INCHES ° DIMENSIONAL LIMITS APPLY BEFORE PROCESSES ° TOLERANCES: 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	DWN	NH	DATE	8/19/2009	WERLATONE | SINCE 1965 2095 Route 22 Brewster, NY 10509
	CHK	BW	DATE	8/19/2009	TITLE: OUTLINE
	ENGR	BW	DATE		USED ON
	MFGR		DATE		
	QA		DATE		SIZE: A | CAGE CODE: 28812 | DWG NO: 20716-500 | REV: -
	RLSE		DATE		SCALE 1 : 4 | SHEET 1 OF 1

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