



PRODUCT DATA SHEET

D8682

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: $\pm 5^\circ$ 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 lbs.
Size: 5.2 x 2.65 x 1.8"

Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D8682-10	N Female	N Female	N Female
D8682-12	N Female	SMA	SMA
D8682-13	N Female	BNC	BNC
D8682-41	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.



WERLATONE

Model D8682

Combiners In-Phase Connectorized

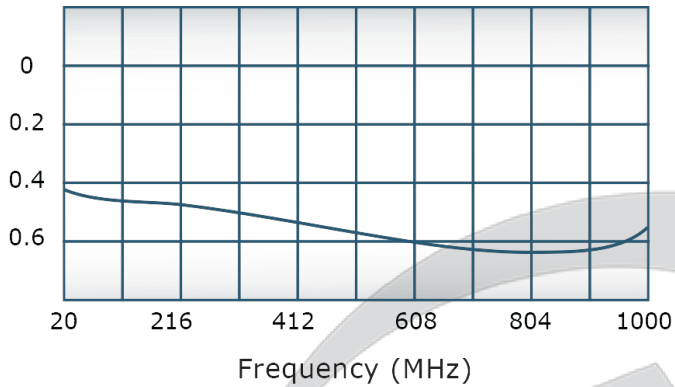


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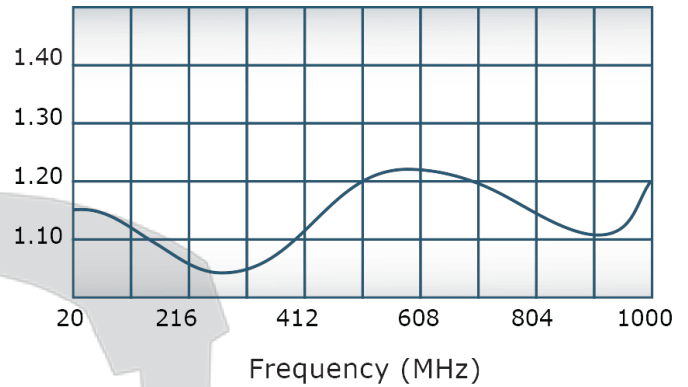
D8682

Performance Data (Specifications subject to change without notice):

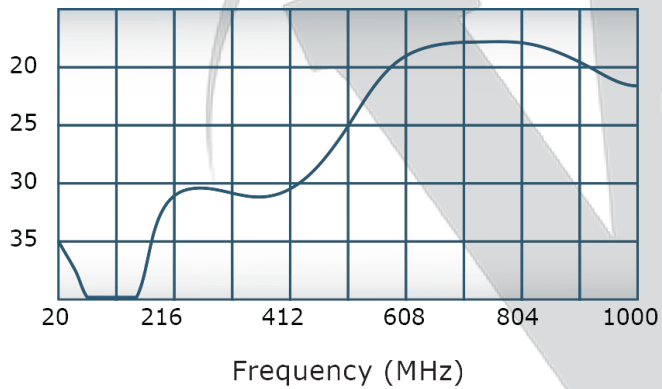
Insertion Loss:



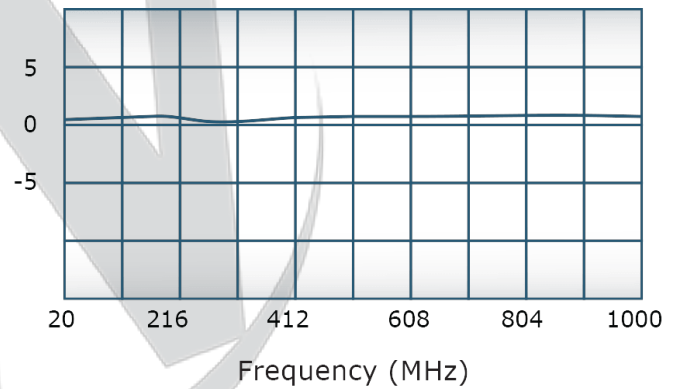
VSWR:



Isolation:



Phase Balance:

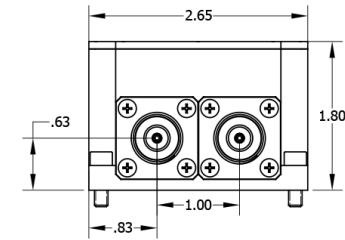
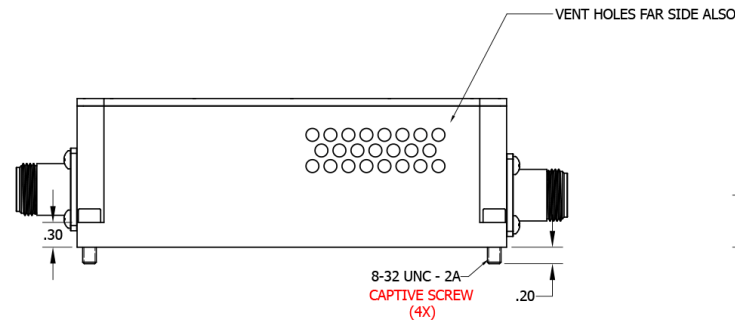
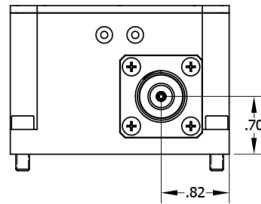
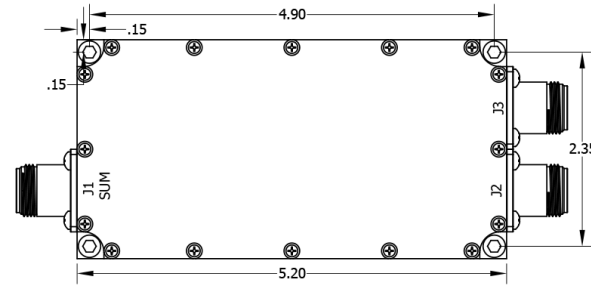


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REVISION HISTORY					
DATE	REV	REVISION RECORD	AUTH	CHK	APPV



UNLESS OTHERWISE SPECIFIED		DWN	DATE	7/8/2010		W WERLATONE SINCE 1965		2095 Route 22 Brewster, NY 10509	
* INTERPRET DRAWING IAW MIL-STD-100		PR	DATE	7/8/2010		TITLE			
* DIMENSIONING PER: ASME Y14.5M-2009		CHK	DATE	7/8/2010		USED ON			
* PARENTHEICAL INFO FOR REF ONLY		CS	DATE			OUTLINE			
* DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		ENGR	DATE						
* TOLERANCES:		MFGR	DATE						
ANGLES ± 2°		QA	DATE			SIZE		CAGE CODE	
XXX ± .005		RLSE	DATE			A		28812	
XX ± .015						DWG NO		20663-500	
						SCALE			
								SHEET 1 OF 1	

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