


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:

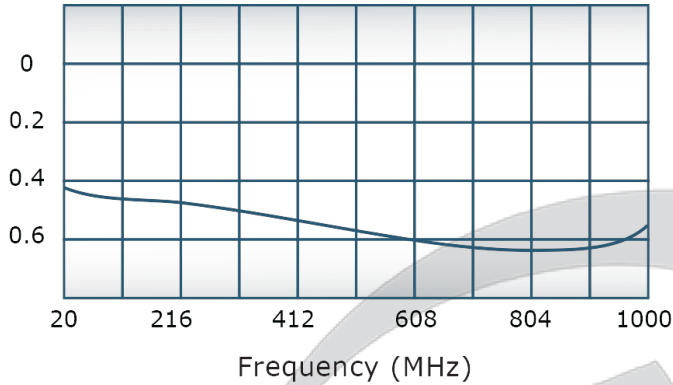
Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D8682-10	N Female	N Female	N Female
D8682-12	N Female	SMA	SMA
D8682-13	N Female	BNC	BNC
D8682-41	SC Female	N Female	N Female

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.

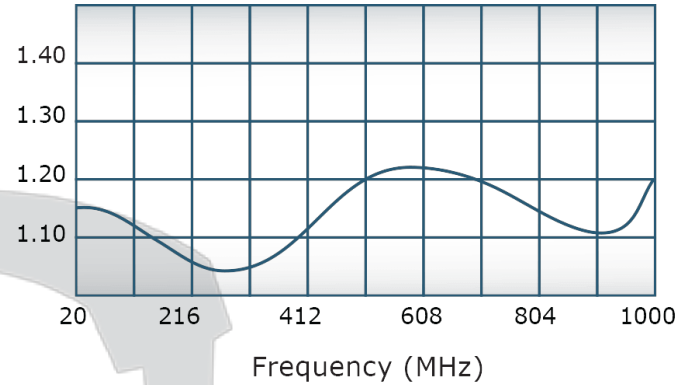


Performance Data (Specifications subject to change without notice):

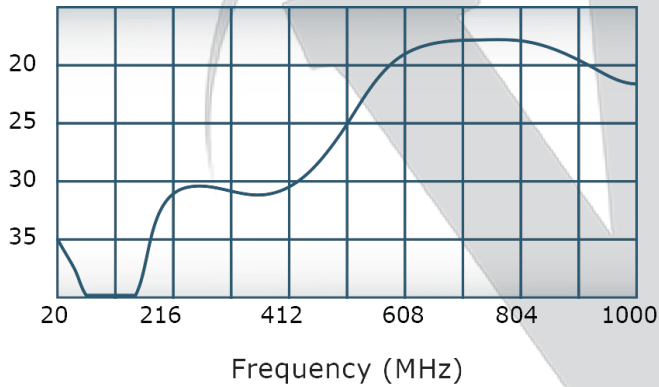
Insertion Loss:



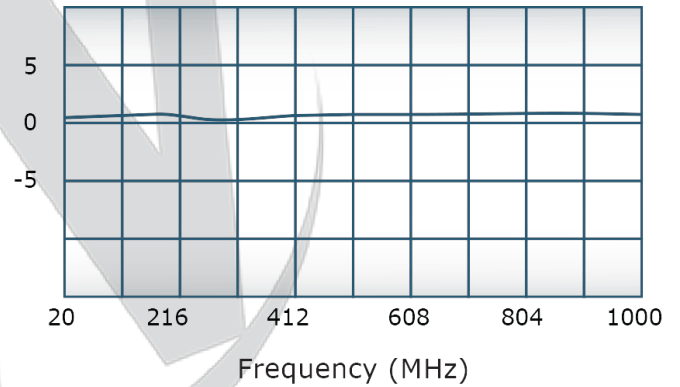
VSWR:



Isolation:



Phase Balance:



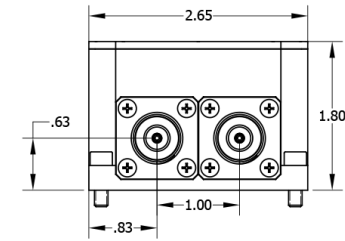
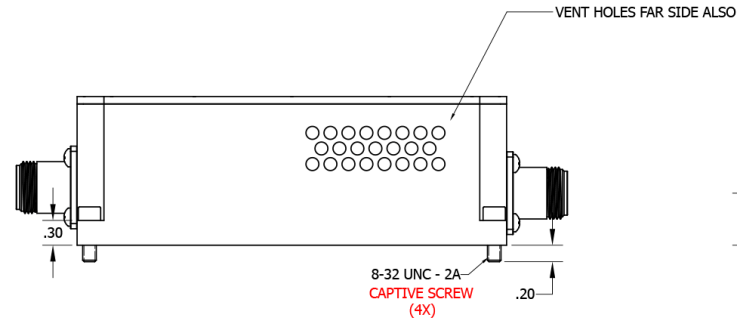
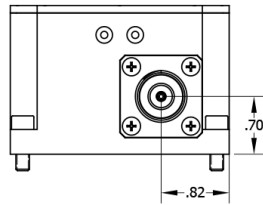
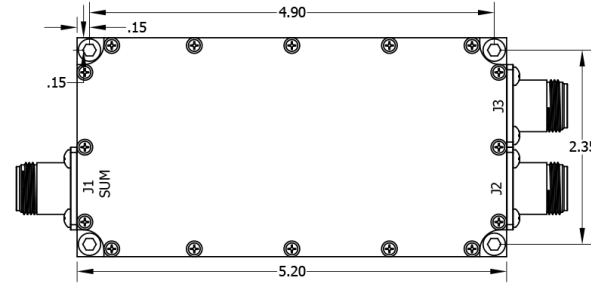
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Werlatone, Inc.

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REVISION HISTORY					
DATE	REV	REVISION RECORD	AUTH	CHK	APPV



UNLESS OTHERWISE SPECIFIED		DWN	DATE	WERLATONE SINCE 1965 2095 Route 22 Brewster, NY 10509
* 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		PR	7/8/2010	
* TOLERANCES: ANGLES ± 2° .XXX ± .005 .XX ± .015		CHK	DATE	TITLE
		CS	7/8/2010	OUTLINE
		ENGR	DATE	USED ON
		MFR	DATE	
		QA	DATE	SIZE
		RLSE	DATE	CAGE CODE
				DWG NO
				REV
				SCALE
				SHEET 1 OF 1

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