WERLATONE

Model D8682
Combiners In-Phase Connectorized

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:	± 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 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.

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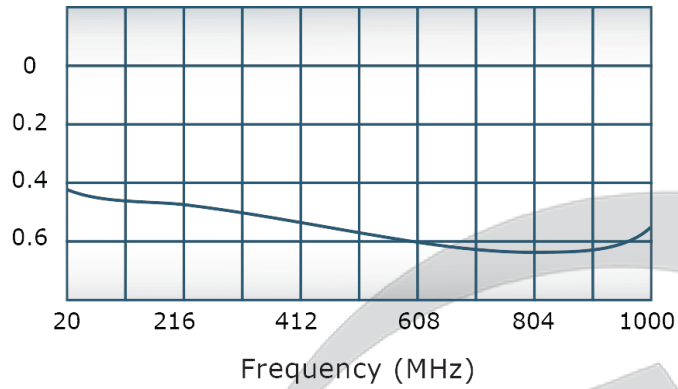
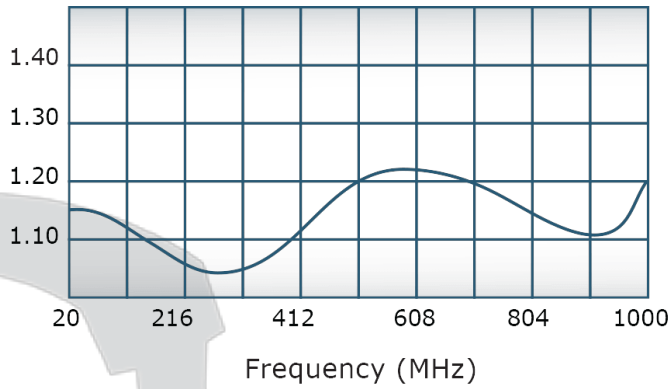
Performance Data (Specifications subject to change without notice):

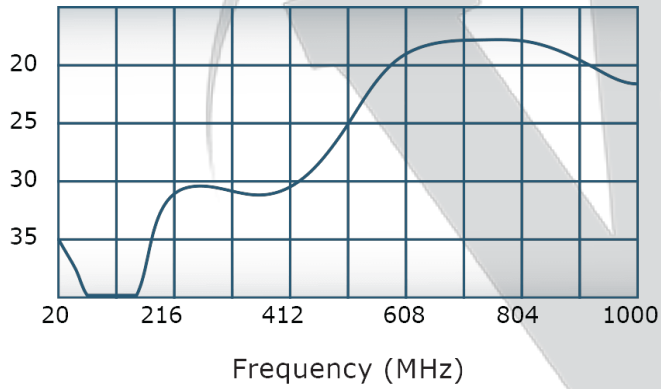
Insertion Loss:



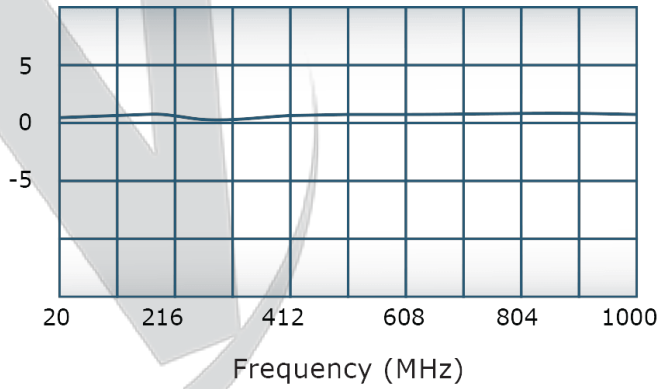
VSWR:



Isolation:



Phase Balance:



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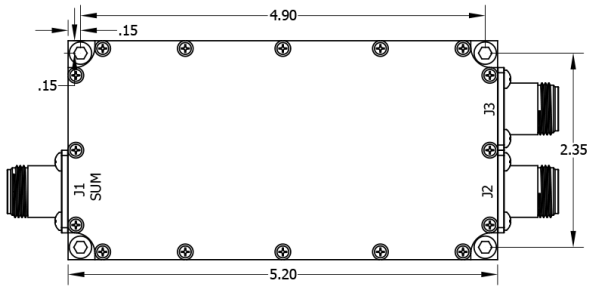
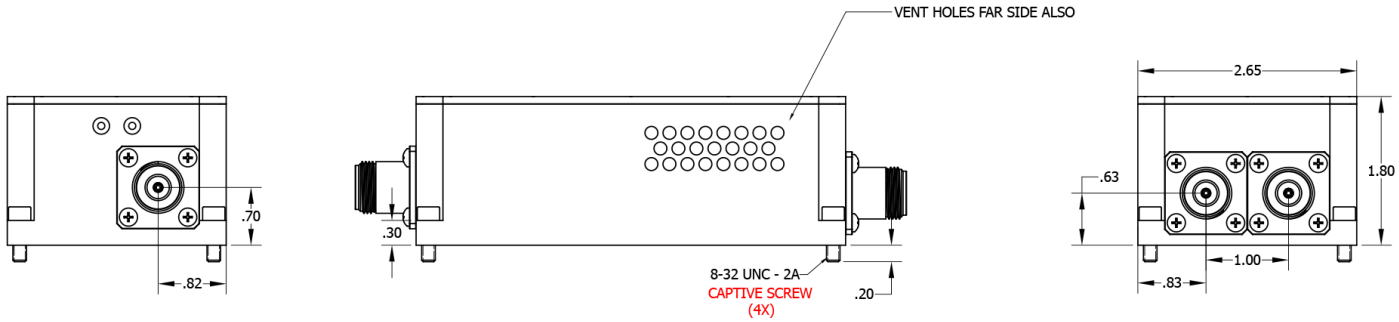
REVISION HISTORY					
DATE	REV	REVISION RECORD	AUTH	CHK	APPV





UNLESS OTHERWISE SPECIFIED				
° 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	DWN PR	DATE 7/8/2010	WERLATONE | SINCE 1965	2095 Route 22 Brewster, NY 10509
	CHK CS	DATE 7/8/2010	TITLE OUTLINE	
	ENGR	DATE	USED ON	
	MFGR	DATE		
	QA	DATE	SIZE A / CAGE CODE 28812 / DWG NO 20663-500	REV
	RLSE	DATE	SCALE	SHEET 1 OF 1

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