WERLATONE

Model D8383
Combiners In-Phase Connectorized

PRODUCT DATA SHEET **D8383**

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:	80 - 1000 MHz
Power:	1000 W CW
Insertion Loss:	0.5 dB Max.
VSWR:	1.40:1 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:	10 lbs.
Size:	13.0 x 7.0 x 2.22''

Connector Configurations:

Model	**Sum Port (J1)**	**Input/Output (J2)**	**Input/Output (J3)**
D8383-20	7/16 Female	N Female	N Female
D8383-24	7/16 Male	N Female	N Female
D8383-41	SC Female	N Female	N Female
D8383-70	7/8'' EIA	7/8'' EIA	7/8'' EIA

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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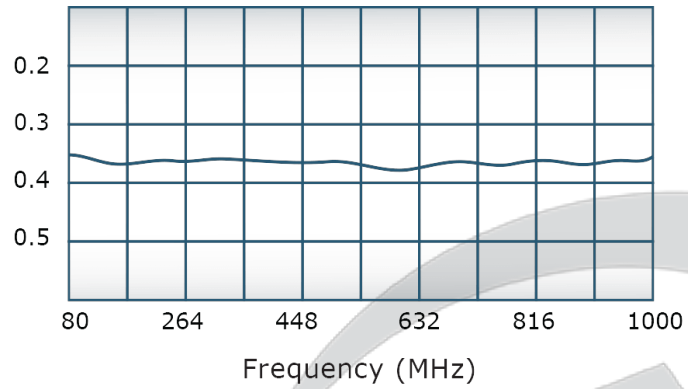
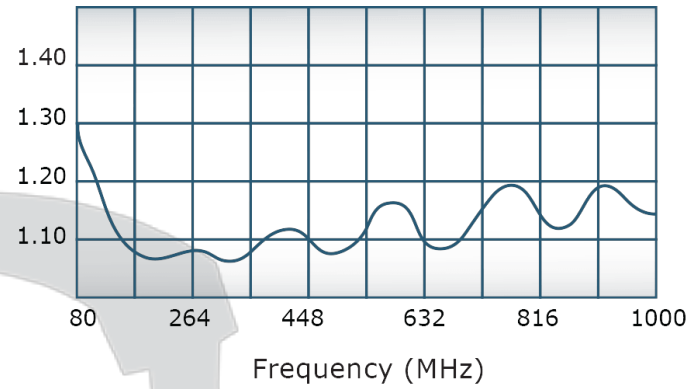
Performance Data (Specifications subject to change without notice):

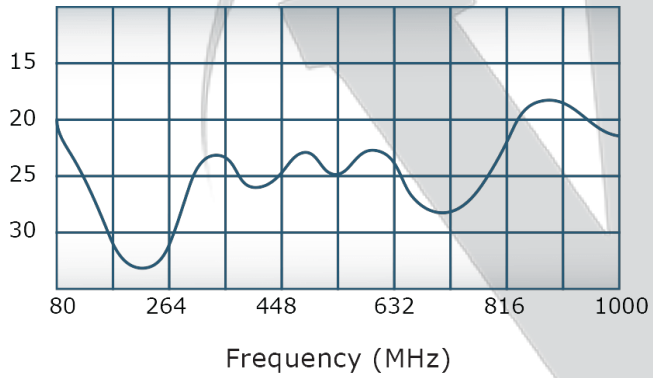
Insertion Loss:



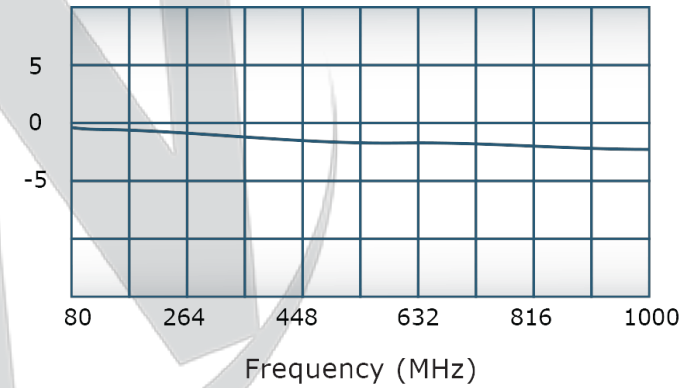
VSWR:



Isolation:



Phase Balance:



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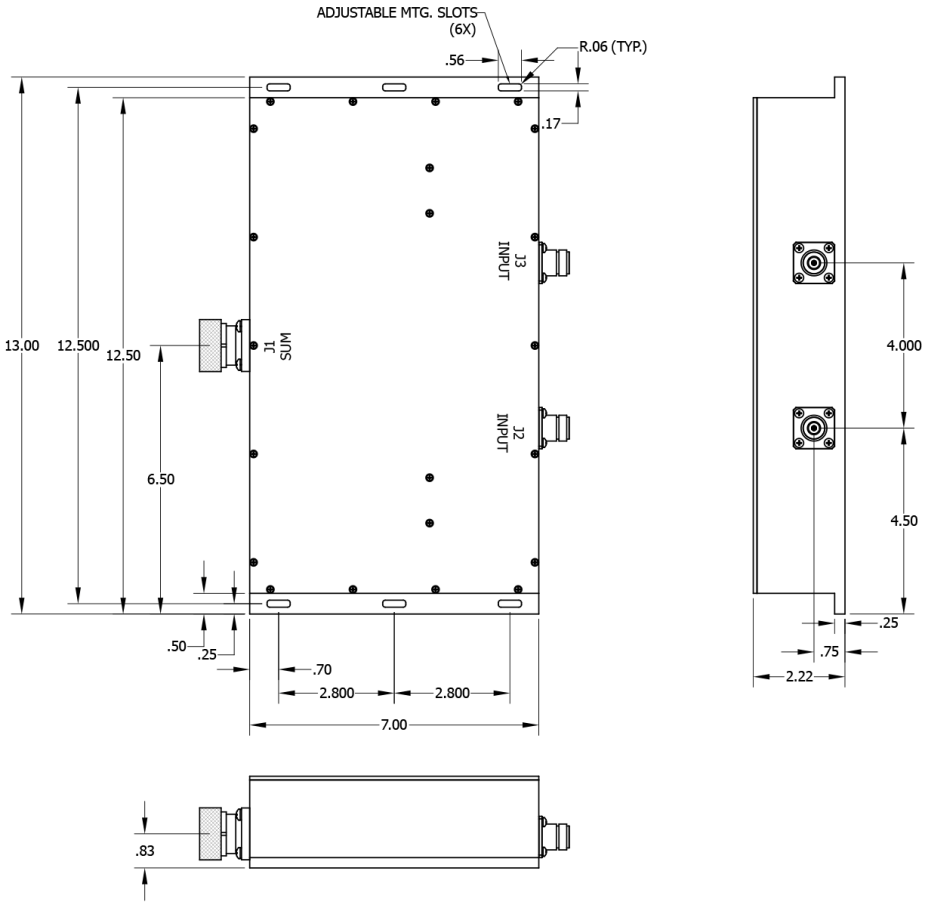
REVISION HISTORY					
DATE	REV	REVISION RECORD	AUTH	CHK	APPV
	-				



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 ° 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	10/19/2009
	CHK	BW	DATE	10/19/2009
	ENGR	BW	DATE	10/19/2009
	MFGR		DATE	
	QA		DATE	
	RLSE		DATE	

WERLATONE | SINCE 1965
2095 Route 22
Brewster, NY 10509

TITLE: OUTLINE
USED ON

SIZE	CAGE CODE	DWG NO	REV
A	28812	20520-502	-

SCALE 1 : 4
SHEET 1 OF 1

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