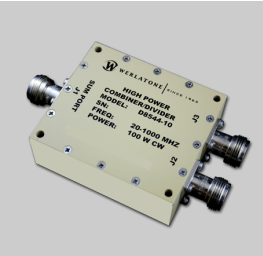
WERLATONE

Model D8544W
Combiners In-Phase Connectorized



PRODUCT DATA SHEET **D8544W**

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:	100 W CW
Insertion Loss:	0.5 dB Max.
VSWR:	1.35:1 Max.
Phase Balance:	± 3° Max.
Amplitude Balance:	0.35 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
Size:	2.85 x 2.5 x 1.0''

Connector Configurations:

Model	**Sum Port (J1)**	**Input/Output (J2)**	**Input/Output (J3)**
D8544W-10	N Female	N Female	N Female

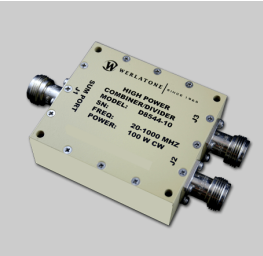
When specified, Werlatone® High Power Combiners and RF Dividers will tolerate full input failures on adjacent port(s). This insures that remaining transmitter(s) may continue to operate until the amplifier system can be properly shut down for maintenance. Choose your specific connector configuration 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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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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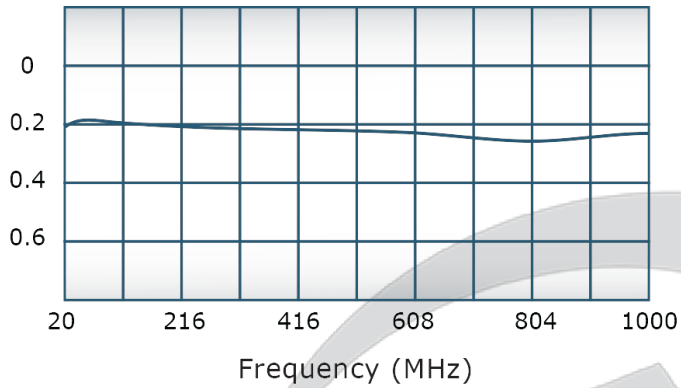
Model D8544W
Combiners In-Phase Connectorized



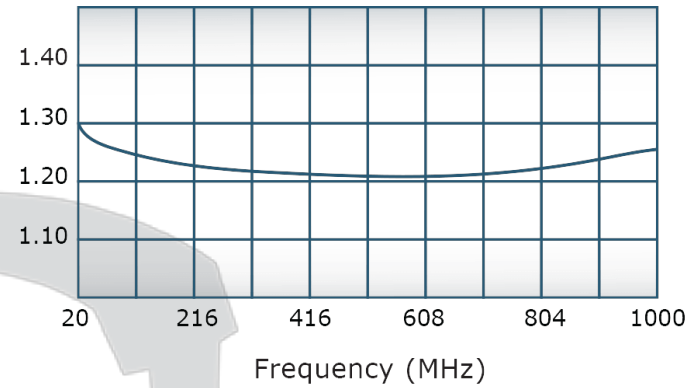
PRODUCT DATA SHEET **D8544W**

Performance Data (Specifications subject to change without notice):

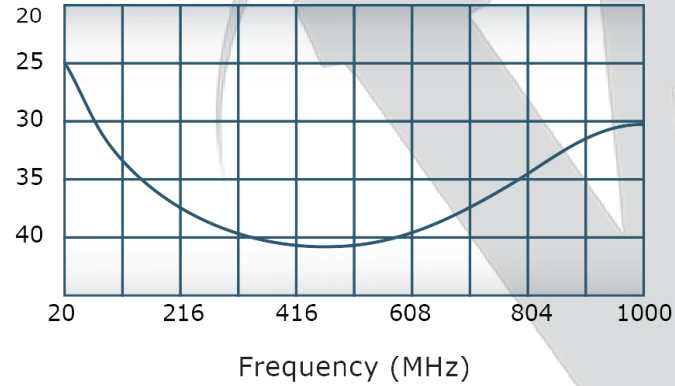
Insertion Loss:



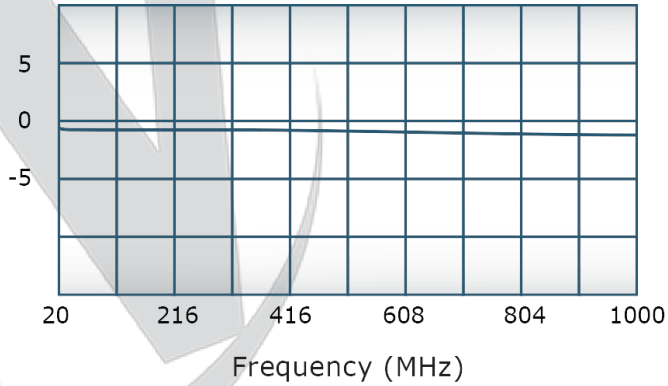
VSWR:



Isolation:



Phase Balance:

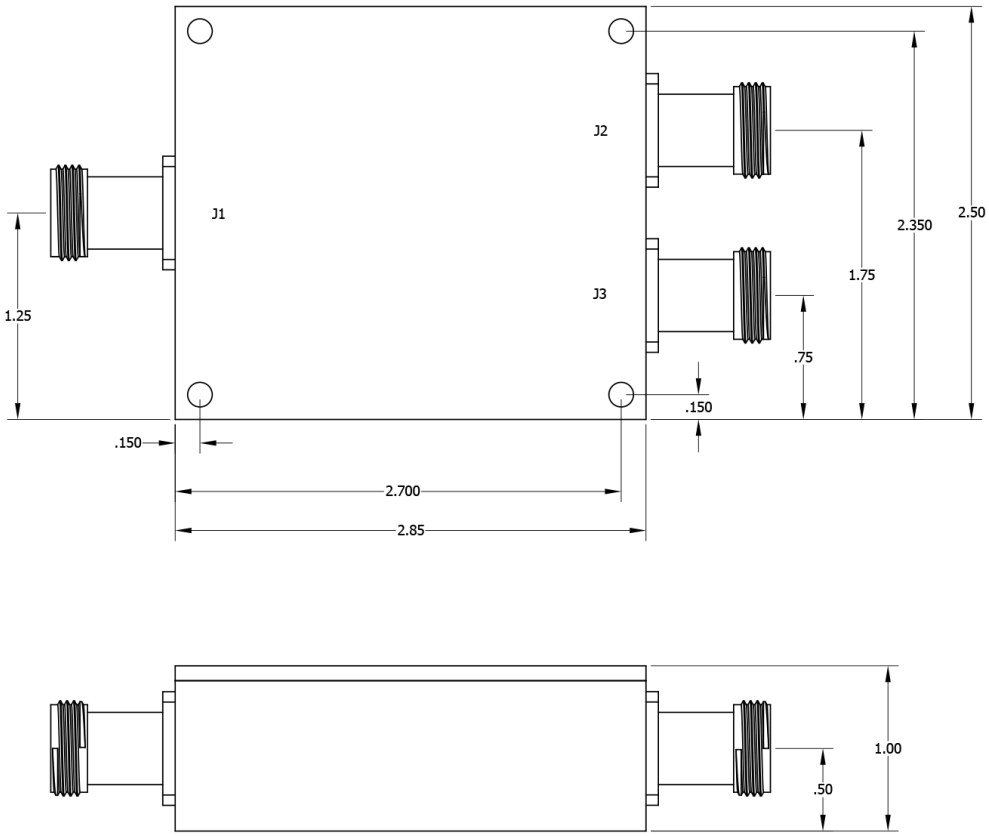


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REVISION HISTORY					
DATE	REV	REVISION RECORD	AUTH	CHK	APPV
3/29/10`	-	INITIAL RELEASE	AK	CS	BW



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 ± .01

° 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

		DATE
DWN	AK	3/29/2010
CHK	CS	3/29/2010
ENGR	BW	3/29/2010
MFGR		
QA		
RLSE		

WERLATONE | SINCE 1965
2095 Route 22
Brewster, NY 10509

TITLE: OUTLINE
USED ON

SIZE	CAGE CODE	DWG NO	REV
A	28812	20582-500	-

SCALE 1:1 SHEET 1 OF 1

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