

PRODUCT DATA SHEET

D9922

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: 2000 - 6000 MHz
Power: 200 W CW
Insertion Loss: 0.35 dB Max.
VSWR: 1.40:1 Max.
Phase Balance: $\pm 5^\circ$ Max.
Amplitude Balance: 0.25 dB Max.
Isolation: 15 dB Min.

Mechanical Specifications:

Type: Non-Connectorized
Material: Aluminum 6061-T6
Surface Finish: Immersion Silver (RoHS Compliant Available)
Operating Temperature: -55°C to +75°C
Storage Temperature: -60°C to +85°C
Weight: 0.288 oz.
Size: 1.4 x 1.1 x 0.14"

Port Configurations:

Model	J1	J2/J3	J4/J5
D9922-Ag	Sum Port	Input Ports	Termination Ports

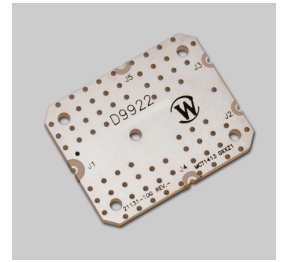
When specified, Werlatone® High Power Combiners and RF Dividers will tolerate full input failures on adjacent port(s). This insures that remaining transmitter(s) may continue to operate until the amplifier system can be properly shut down for maintenance. Choose your specific connector configuration 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 D9922

Combiners In-Phase Non-Connectorized

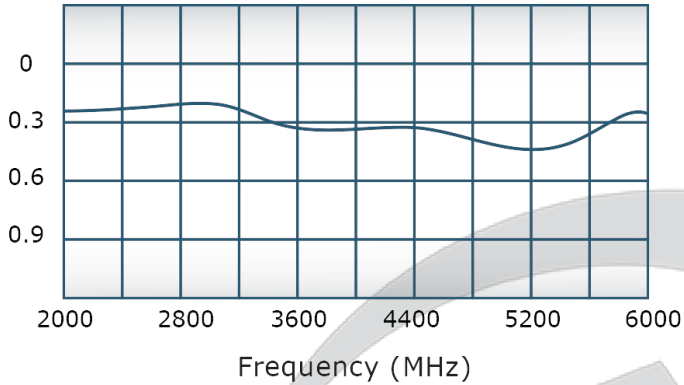


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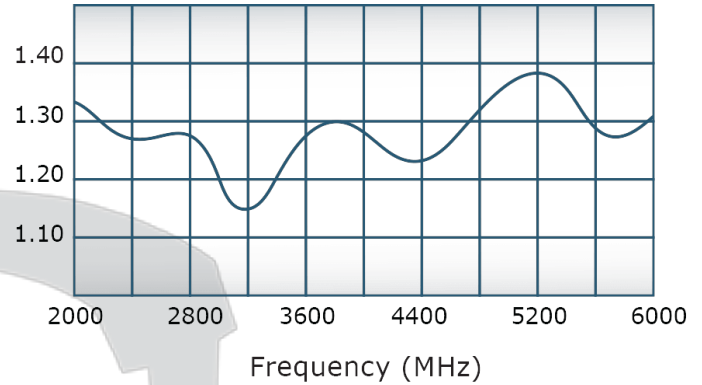
D9922

Performance Data (Specifications subject to change without notice):

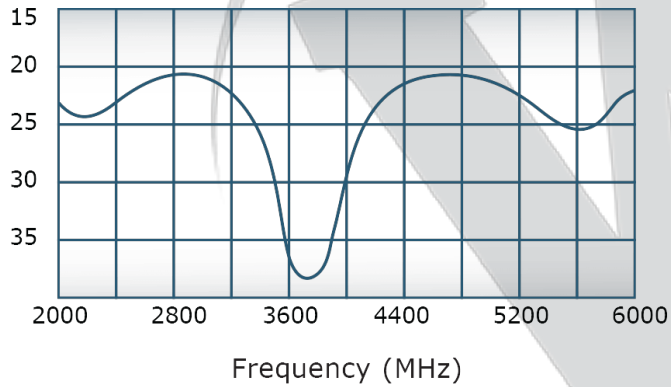
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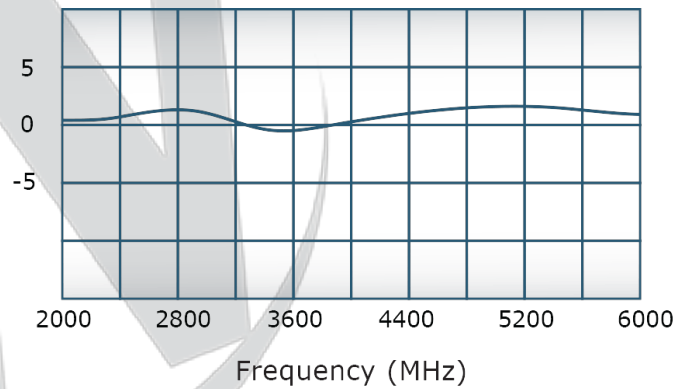
VSWR:



Isolation:



Directivity:

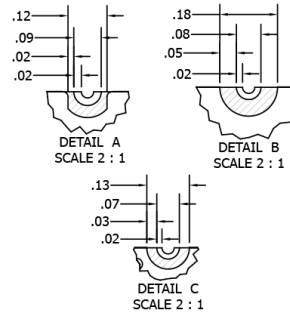
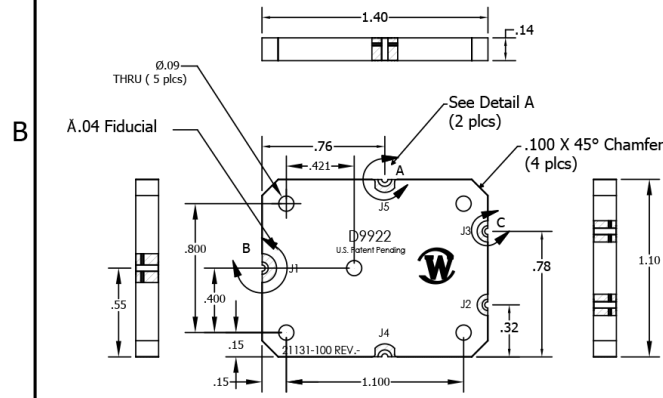


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Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

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REVISION HISTORY			
REV	REVISION RECORD	DATE	APPROVED
-	Initial Rls	1/27/2014	BW
A	ECN 9145	8/16/2016	CS



		UNLESS OTHERWISE SPECIFIED		DWN	DATE	 WERLATONE SINCE 1965			17 Jon Barrett Rd Patterson, NY 12563						
		• INTERPRET DRAWING IAW MIL-STD-100		NH	01/27/14	TITLE			Outline						
		• DIMENSIONING PER ASME Y14.5M-2009		CHK	DATE										
		• PARENTHESES INFO FOR REF ONLY		BW	01/27/14	SIZE		CAGE CODE			DWG NO		REV		
		• DIMENSIONS ARE IN INCHES		ENGR	DATE										
		• DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		BW	01/27/14	SCALE		1:1			SHEET 1 OF 1				
		• TOLERANCES: ANGLES ± .2°		MFGR	DATE										
		3 PL ± .005		QA	DATE	A		28812			21131-500		A		
		2 PL ± .015		RLSE	DATE										
21222-100															
NEXT ASSY		USED ON													
APPLICATION				THIRD ANGLE PROJECTION 											

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