

## 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

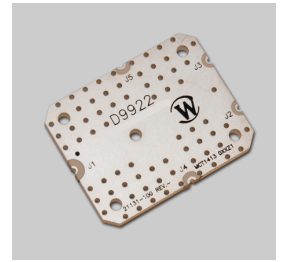
**When specified, Werlatone® High Power Combiners and RF Dividers** will tolerate full input failures on adjacent port(s). This insures that remaining transmitter(s) may continue to operate until the amplifier system can be properly shut down for maintenance. Choose your specific connector configuration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

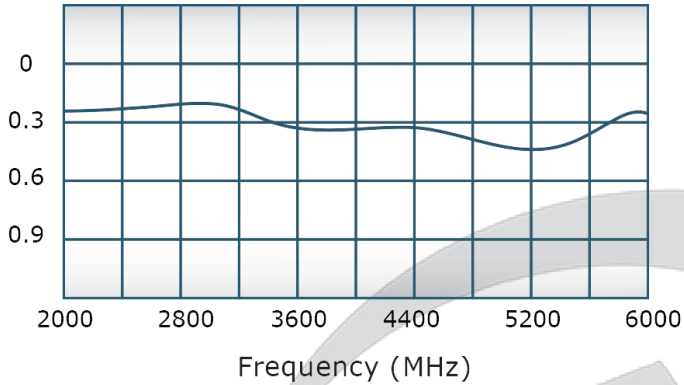


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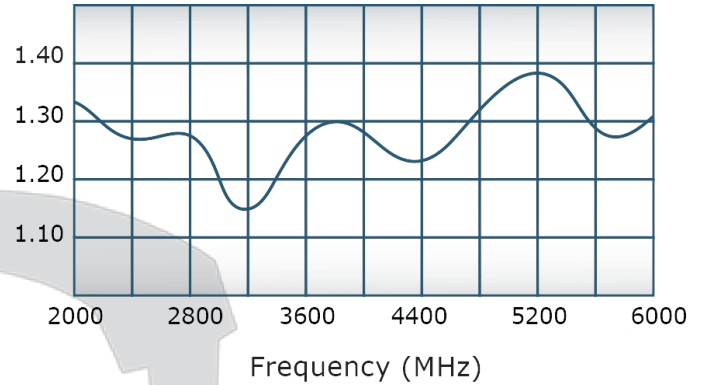
D9922

### Performance Data (Specifications subject to change without notice):

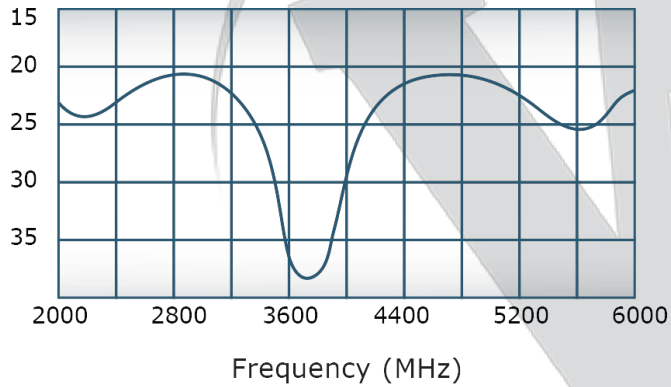
Insertion Loss:



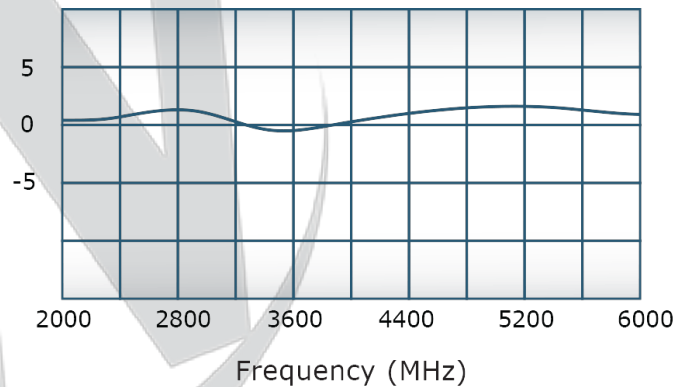
VSWR:



Isolation:



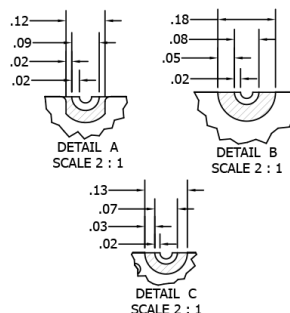
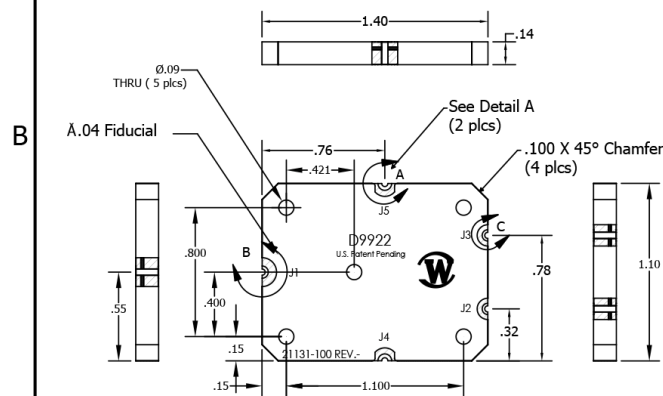
Directivity:





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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		 <b>WERLATONE</b>   SINCE 1965		17 Jon Barrett Rd Patterson, NY 12563	
		INTERPRET DRAWING (AWI ML-STD-100) • DIMENSIONING PER ASME Y14.5M-2009 • PARENTHEThETICAL INFO FOR REF ONLY • DIMENSIONS ARE IN INCHES • DIMENSIONAL LIMITS APPLY BEFORE PROCESSES • TOLERANCES: ANGLES ± 2- 3 PL ± .005 2 PL ± .015		NH 01/27/14 CHK DATE BW 01/27/14 ENGR DATE BW 01/27/14 MFRG DATE QA DATE RLSE DATE		TITLE  <h1>Outline</h1>		SIZE A CAGE CODE 28812 DWG NO 21131-500		REVISION A	
21222-100											
NEXT ASSY		USED ON									
APPLICATION		THIRD ANGLE PROJECTION 				SCALE 1:1		SHEET 1 OF 1			