


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: ± 5° 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.

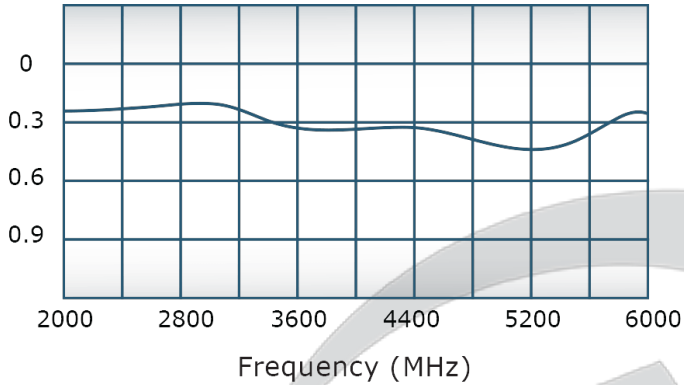
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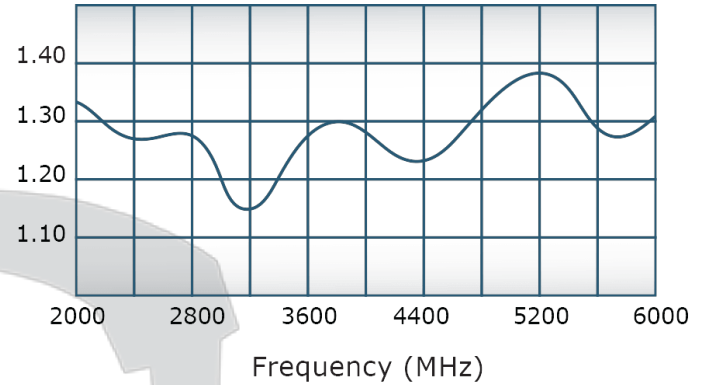


Performance Data (Specifications subject to change without notice):

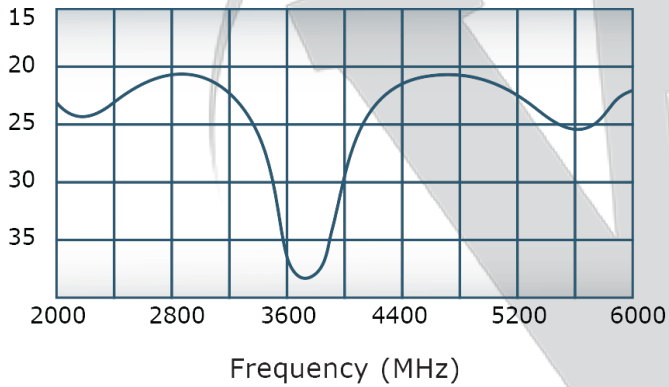
Insertion Loss:



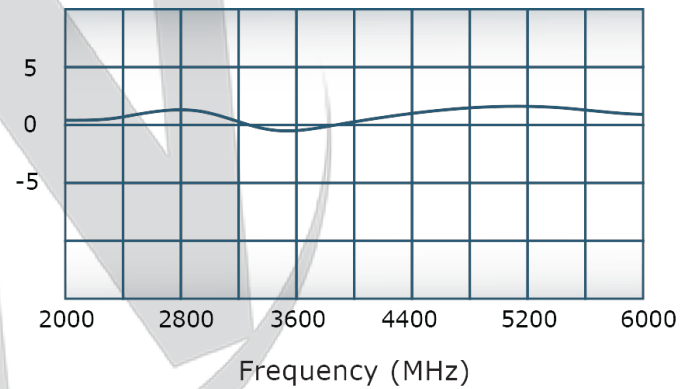
VSWR:



Isolation:



Directivity:



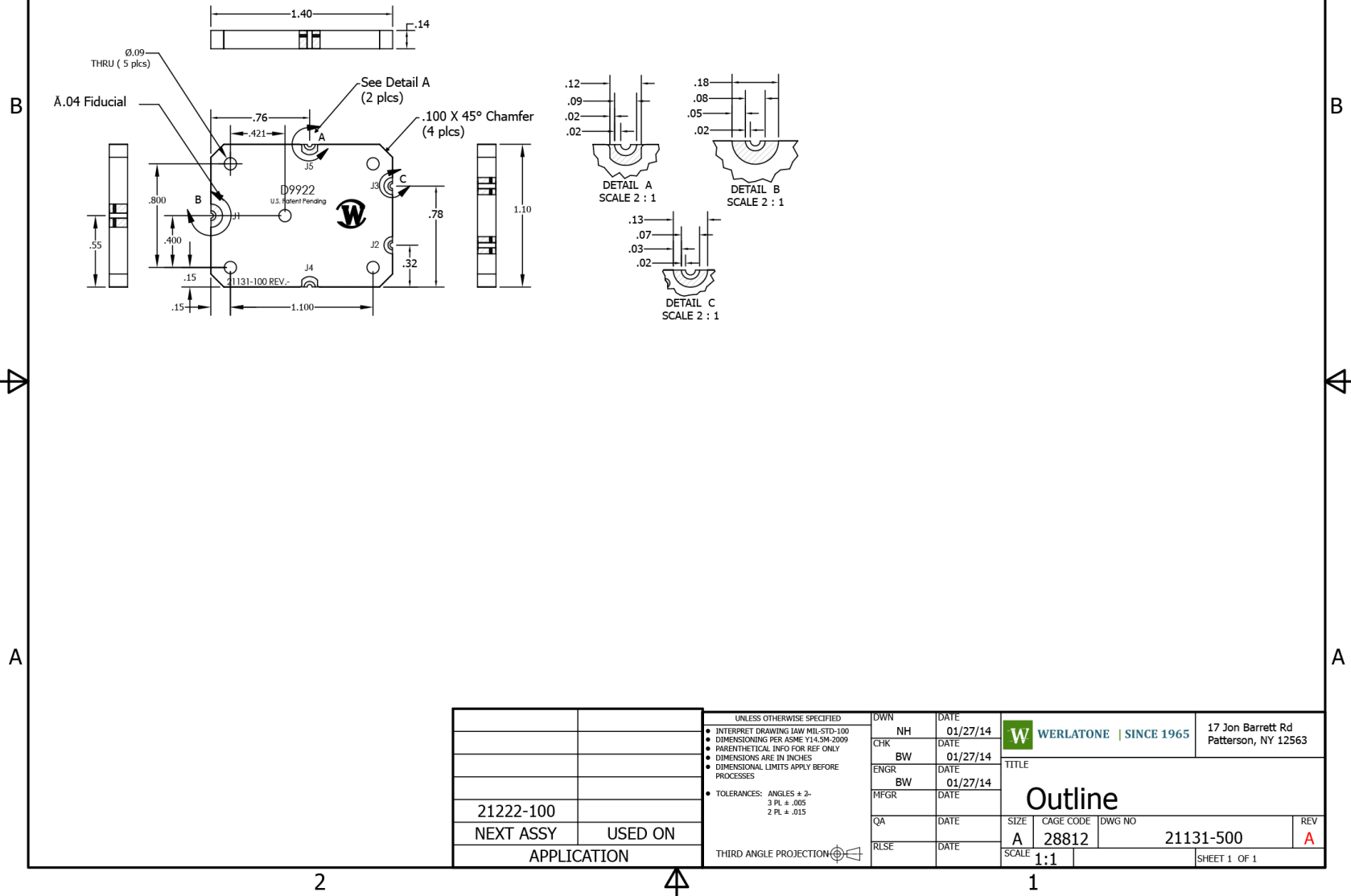
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REVISION HISTORY			
REV	REVISION RECORD	DATE	APPROVED
-	Initial Rls	1/27/2014	BW
A	ECN 9145	8/16/2016	CS



		UNLESS OTHERWISE SPECIFIED		DWN	DATE	WERLATONE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563	
		<ul style="list-style-type: none"> • INTERPRET DRAWING LAW MIL-STD-100 • DIMENSIONING PER ASME Y14.5M-2009 • PARENTHESES 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		Outline	
				CHK	DATE			
				BW	01/27/14	TITLE SIZE A CAGE CODE 28812 DWG NO 21131-500 REV A		
				ENGR	DATE			
				BW	01/27/14	SCALE 1:1 SHEET 1 OF 1		
				MFGR	DATE			
				QA	DATE			
				RLSE	DATE			
21222-100								
NEXT ASSY		USED ON						
APPLICATION				THIRD ANGLE PROJECTION				

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