

**PRODUCT DATA SHEET**

**D10296**

**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:            1.0 dB Max.  
 VSWR:                        1.60:1 Max.  
 Phase Balance:            ± 5° Max.  
 Amplitude Balance:      0.3 dB Max.  
 Isolation:                    15 dB Min.

**Mechanical Specifications:**

Type:                            Connectorized  
 Material:                      Aluminum 6061-T6  
 Surface Finish:              Chem. Film Per MIL-DTL-5541F Type II  
    Class 3 (Clear Iridite) RoHS Compliant  
    Available  
 Operating Temperature:    -55°C to +75°C  
 Storage Temperature:      -60°C to +85°C  
 Weight:                        1.1 lbs.  
 Size:                            3.9 x 3.6 x 1.06"

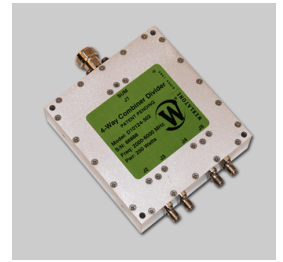
**Connector Configurations:**

Model	Sum Port (J1)	Input/Output (J2-J5)
D10296-12	N Female	SMA
D10296-302	TNC	SMA

**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.

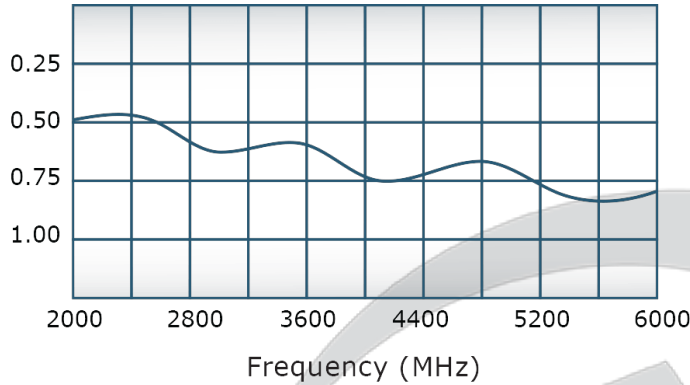
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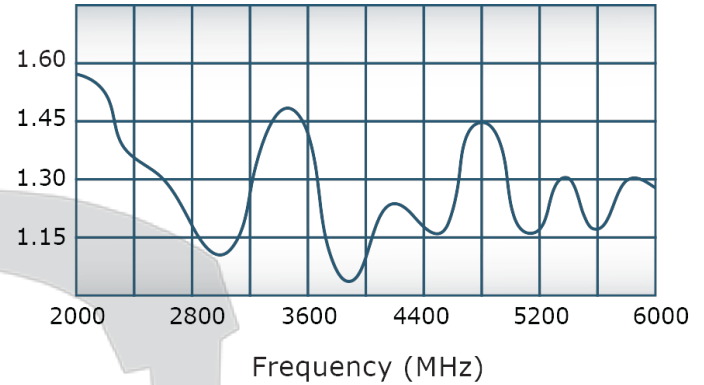


## Performance Data (Specifications subject to change without notice):

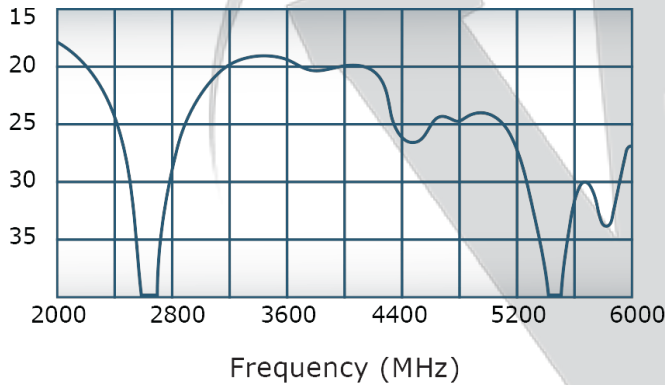
Insertion Loss:



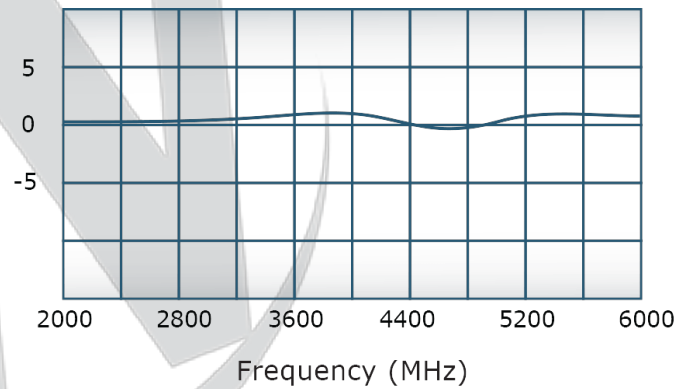
VSWR:



Isolation:

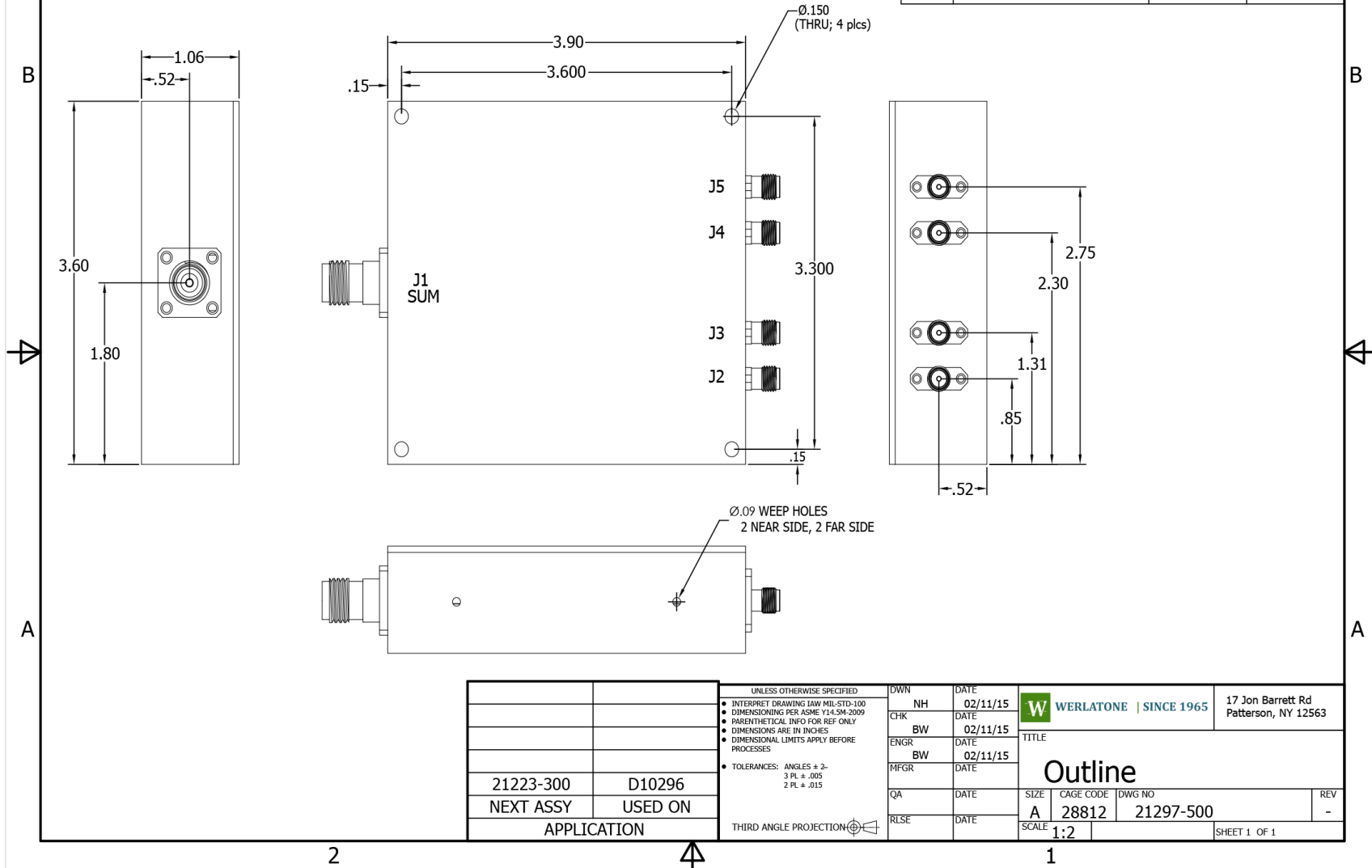


Phase Balance:



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REVISION HISTORY			
REV	REVISION RECORD	DATE	APPROVED
-	Initial Rls	2/11/2015	BW



UNLESS OTHERWISE SPECIFIED		DWN	DATE	<b>WERLATONE   SINCE 1965</b>	17 Jon Barrett Rd Patterson, NY 12563
<ul style="list-style-type: none"> <li>• INTERPRET DRAWING LAW MIL-STD-100</li> <li>• DIMENSIONING PER ASME Y14.5M-2009</li> <li>• PARENTHETICAL INFO FOR REF ONLY</li> <li>• DIMENSIONS ARE IN INCHES</li> <li>• DIMENSIONAL LIMITS APPLY BEFORE PROCESSES</li> </ul>		CHK	DATE		
21223-300	D10296	ENGR	DATE	TITLE	
NEXT ASSY	USED ON	MFGR	DATE	<b>Outline</b>	
APPLICATION		QA	DATE	SIZE	CAGE CODE
THIRD ANGLE PROJECTION		RLSE	DATE	A	28812
				DWG NO	21297-500
				SCALE	1:2
				REV	-
				SHEET 1 OF 1	

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