



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: $\pm 5^\circ$ Max.
 Amplitude Balance: 0.3 dB Max.
 Isolation: 15 dB Min.

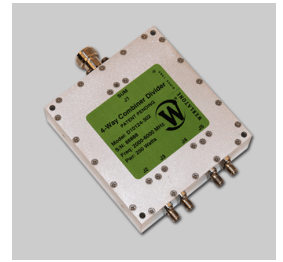
Mechanical Specifications:

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.

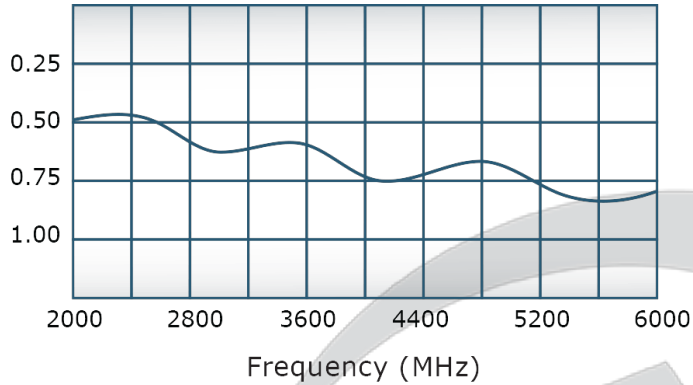


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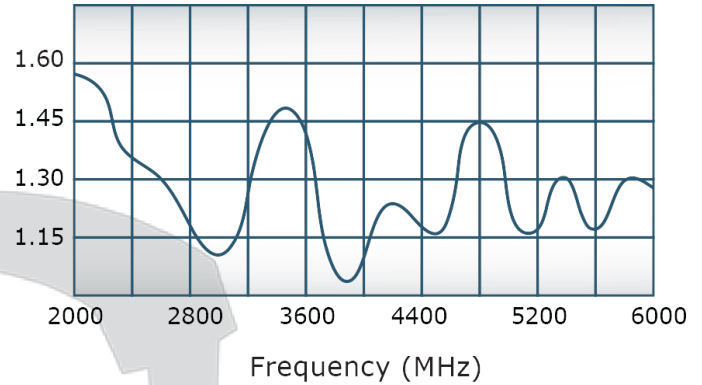
D10296

Performance Data (Specifications subject to change without notice):

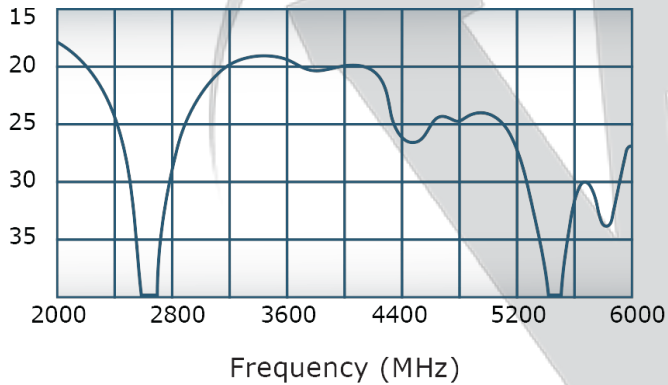
Insertion Loss:



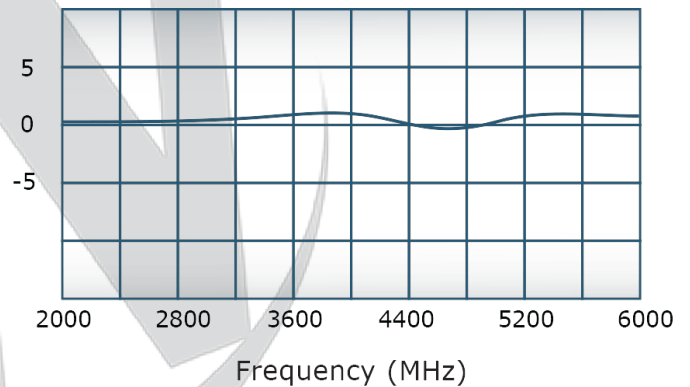
VSWR:



Isolation:



Phase Balance:

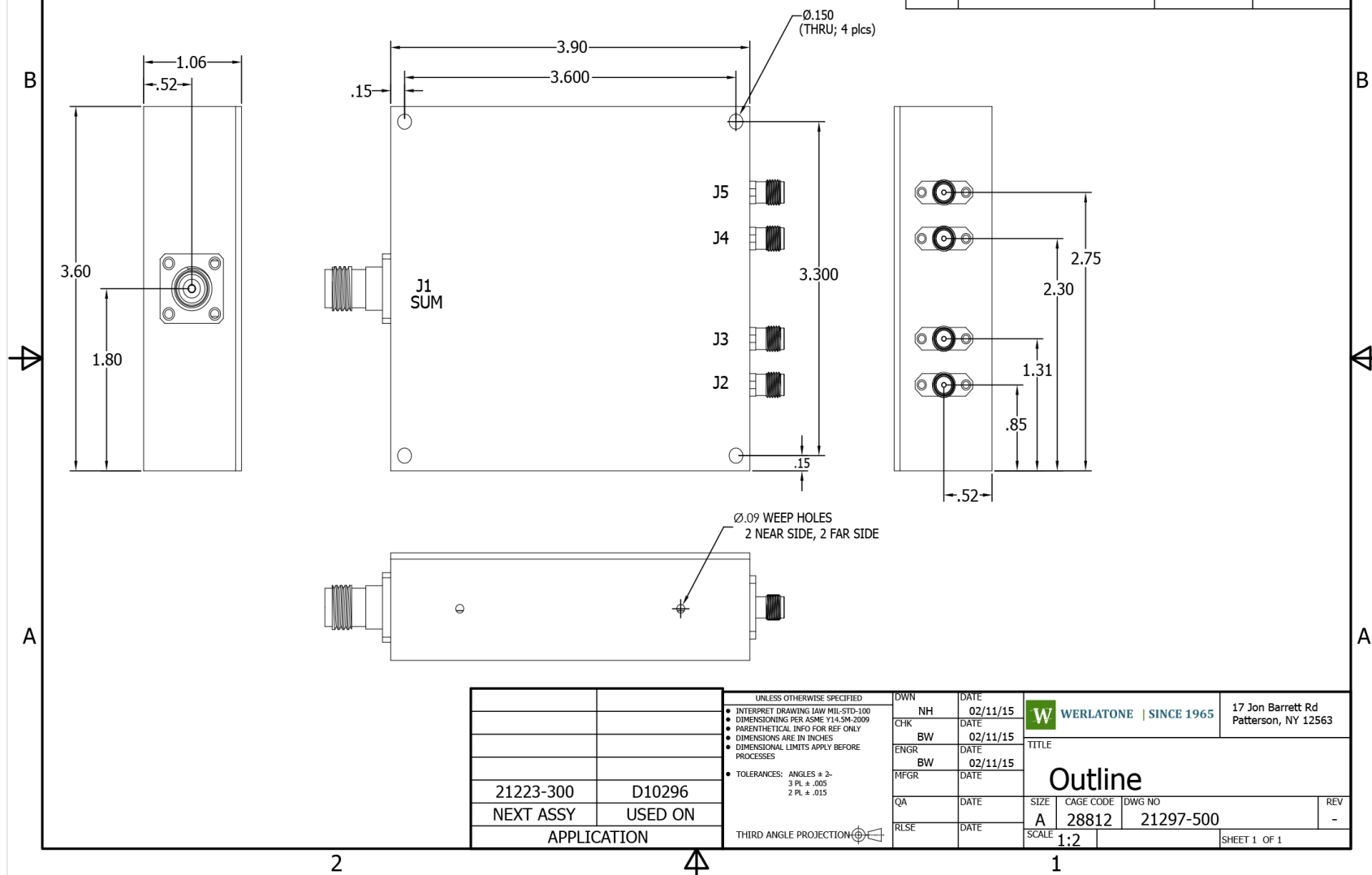


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REVISION HISTORY			
REV	REVISION RECORD	DATE	APPROVED
-	Initial Rls	2/11/2015	BW



		UNLESS OTHERWISE SPECIFIED		DWN	DATE	W WERLATONE SINCE 1965		17 Jon Barrett Rd Patterson, NY 12563	
		• INTERPRET DRAWINGS IAW MIL-STD-100		NH	02/11/15	TITLE Outline			
		• DIMENSIONING PER ASME Y14.5M-2009		CHK	DATE				
		• PARENTHESES INFO FOR REF ONLY		BW	02/11/15				
		• DIMENSIONS ARE IN INCHES		ENGR	DATE				
		• DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		BW	02/11/15	SIZE A		CAGE CODE 28812	
		• TOLERANCES: ANGLES ± 2- 3 PL ± .005 2 PL ± .015		MFGR	DATE				
21223-300		D10296		QA	DATE	DWG NO		REV	
NEXT ASSY		USED ON		RLSE	DATE	21297-500			
APPLICATION		THIRD ANGLE PROJECTION 		SCALE		1:2		SHEET 1 OF 1	

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