

PRODUCT DATA SHEET
D9279

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: 500 - 1000 MHz
Power: 1000 W CW
Insertion Loss: 0.25 dB Max.
VSWR: 1.35:1 Max.
Phase Balance: $\pm 5^\circ$ Max.
Amplitude Balance: 0.2 dB Max.
Isolation: 14 dB Min.

Mechanical Specifications:

Type: Connectorized
Material: Aluminum 6061-T6
Surface Finish: Chem. Film Per MIL-DTL-5541F Type I Class 3 (Yellow Iridite) RoHS Compliant Available
Operating Temperature: -55°C to +75°C
Storage Temperature: -60°C to +85°C
Weight: 1 lbs. 5 oz.
Size: 5.0 x 3.0 x 1.25"

Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D9297-10	N Female	N Female	N Female
D9297-10STS	N Female Stainless Steel	N Female Stainless Steel	N Female Stainless Steel
D9297-12	N Female	SMA	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.

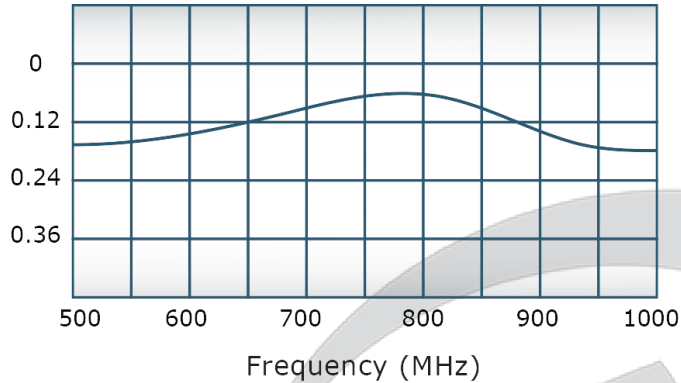


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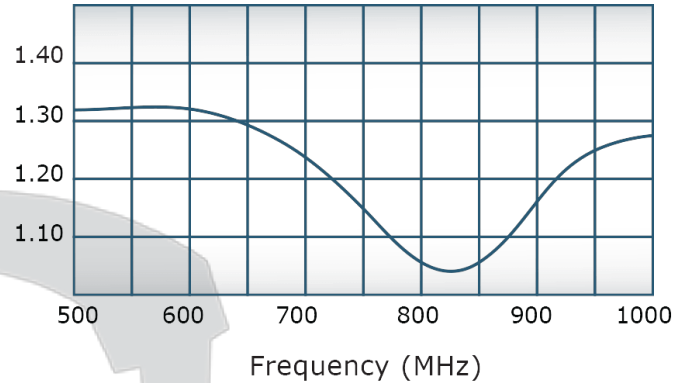
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Performance Data (Specifications subject to change without notice):

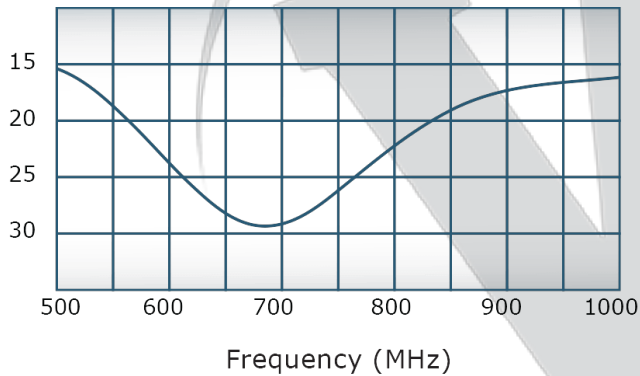
Insertion Loss:



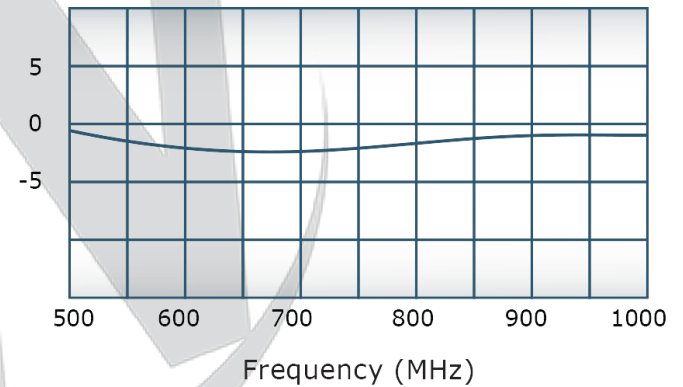
VSWR:



Isolation:



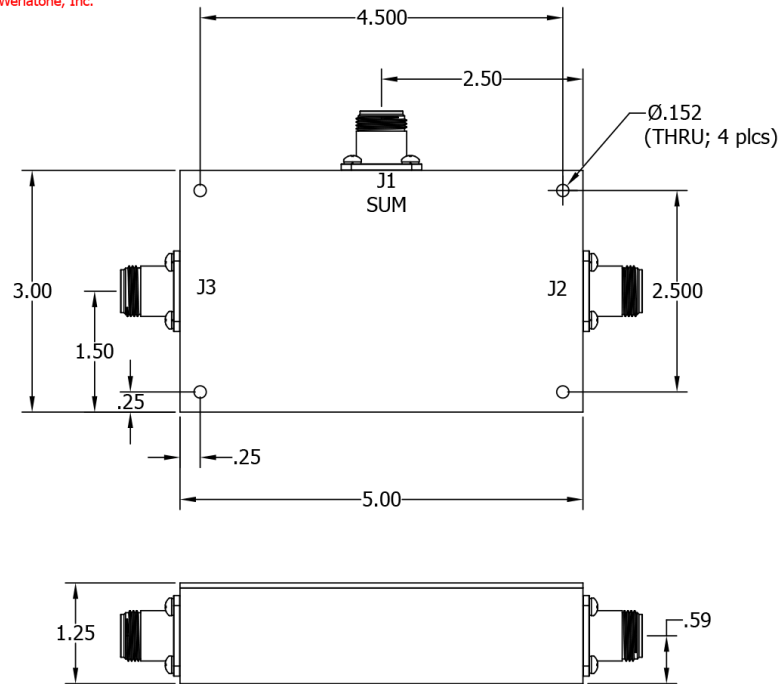
Phase Balance:



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REVISION HISTORY			
REV	REVISION RECORD	DATE	APPROVED
-	Initial Rls	10/23/2013	BW

20801-300	
NEXT ASSY	USED ON
APPLICATION	

- UNLESS OTHERWISE SPECIFIED
- INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100
 - DIMENSIONING PER ASME Y14.5M-2009
 - PARENTHESES ARE FOR REF ONLY
 - DIMENSIONS ARE IN INCHES
 - DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
 - TOLERANCES: ANGLES ± 2°
3 PL ± .005
2 PL ± .015

THIRD ANGLE PROJECTION

DWN	DATE	 WERLATONE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563	
NH	10/23/13			
CHK	DATE			
BW	10/23/13			
ENGR	DATE			
BW	10/23/13	TITLE		
MFGR	DATE	Outline		
QA	DATE	SIZE	CAGE CODE	DWG NO
		A	28812	22012-500
RLSE	DATE	SCALE	1:2	SHEET 1 OF 1
				REV -

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