



PRODUCT DATA SHEET

D10262

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: 1000 - 3000 MHz
 Power: 600 W CW
 Insertion Loss: 0.5 dB Max.
 VSWR: 1.35:1 Max.
 Phase Balance: $\pm 5^\circ$ Max.
 Amplitude Balance: 0.2 dB Max.
 Isolation: 17 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: 1.38 lbs. (-10)
 Size: 4.1 x 4.0 x 1.06"

Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D10262-10	N Female	N Female	N Female
D10262-12	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.

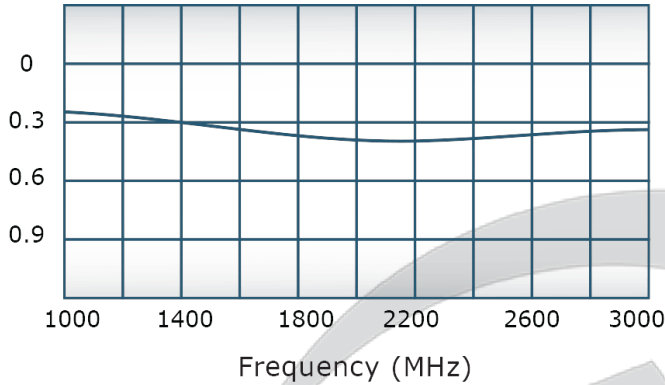


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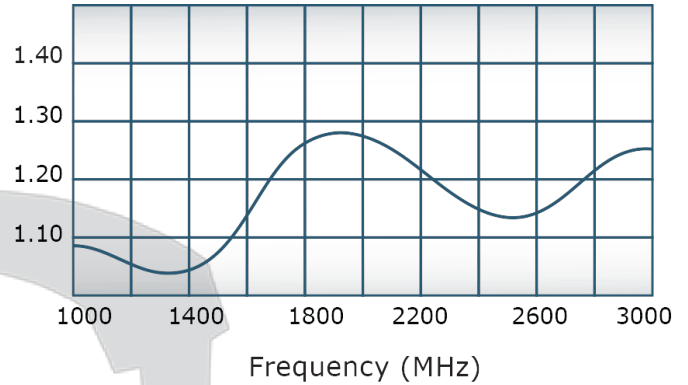
D10262

Performance Data (Specifications subject to change without notice):

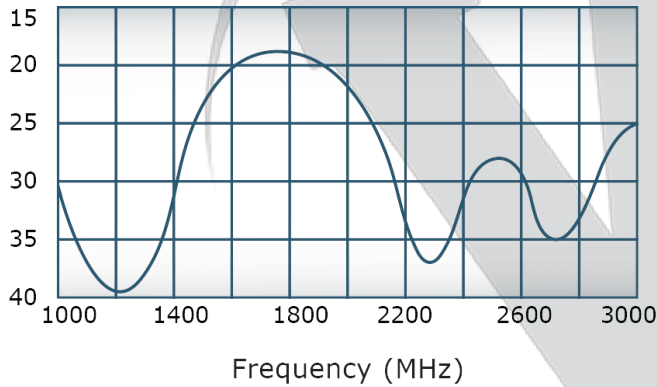
Insertion Loss:



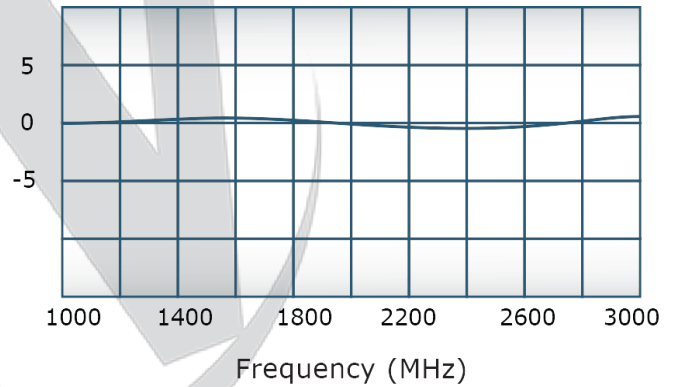
VSWR:



Isolation:



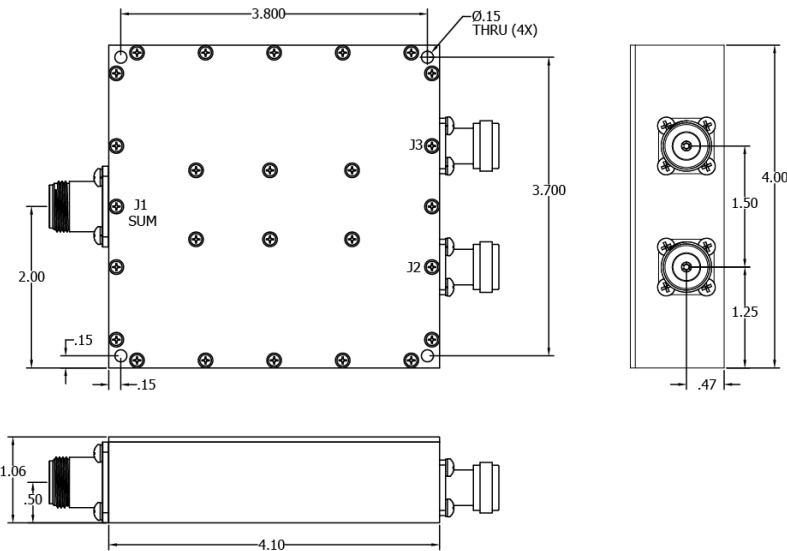
Phase Balance:



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NOTES: UNLESS OTHERWISE SPECIFIED

1. Material: Aluminum
2. Surface Finish: Chem Film Per MIL-DTL-5541F Type 2 Class 3 (Clear Iridite)
3. Connectors: All N (Female)

REVISION HISTORY			
REV	REVISION RECORD	DATE	APPROVED
-	Initial Rls	1/12/2015	BW
A	ECN 8852	7/20/2015	BW

		<div>UNLESS OTHERWISE SPECIFIED</div> <ul style="list-style-type: none">• INTERPRET DRAWING IN ACCORDANCE WITH 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	DWN	DATE	<div><div>W</div><div>WERLATONE SINCE 1965</div></div>	17 Jon Barrett Rd Patterson, NY 12563	
			NH	1/12/15			
			CHK	DATE	TITLE		
			PLP	1/12/15			
			ENGR	DATE			
			BW	1/12/15	Outline		
			MFGR	DATE			
21286-300	D10262	QA	DATE	SIZE		CAGE CODE	DWG NO
NEXT ASSY	USED ON	RLSE	DATE	A	28812	21286-500	A
APPLICATION		THIRD ANGLE PROJECTION 	SCALE	1:2		SHEET 1 OF 1	

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