

PRODUCT DATA SHEET

D8607

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: 30 - 600 MHz
 Power: 200 W CW
 Insertion Loss: 0.4 dB Max.
 VSWR: 1.30:1 Max.
 Phase Balance: $\pm 5^\circ$ Max.
 Amplitude Balance: 0.2 dB Max.
 Isolation: 25 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: 1.25 lbs.
 Size: 3.85 x 3.8 x 1.11"

Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D8607-10	N Female	N Female	N Female

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.

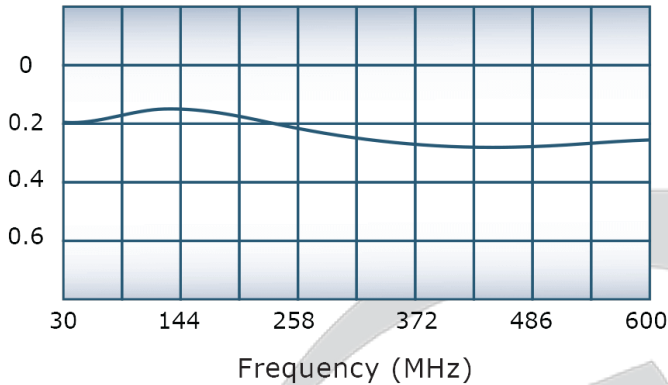


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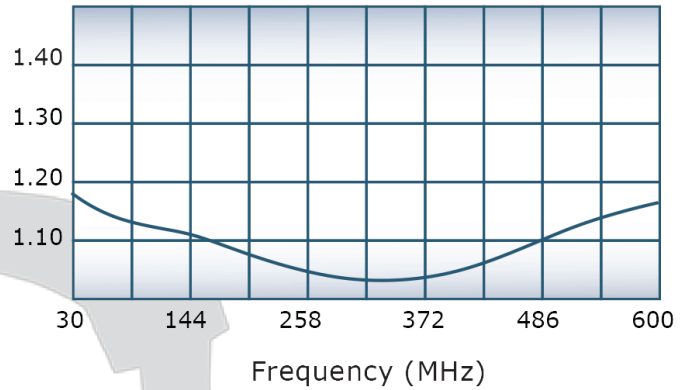
D8607

Performance Data (Specifications subject to change without notice):

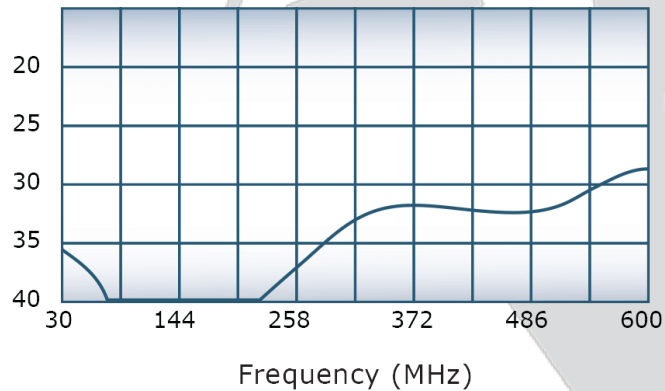
Insertion Loss:



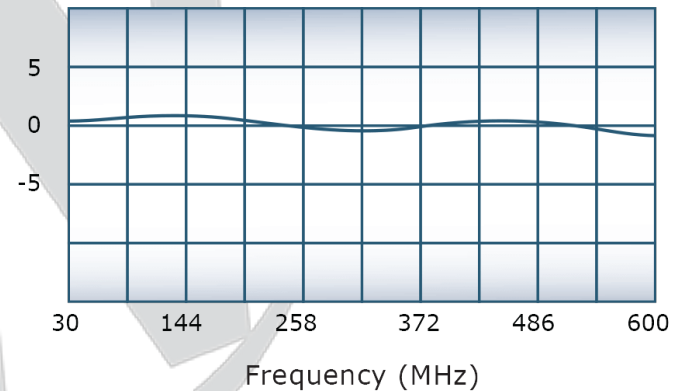
VSWR:



Isolation:



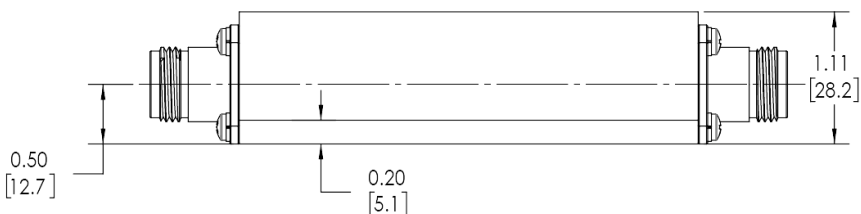
Phase Balance:



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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	2/28/13	BW
A	ECN 9696	6/30/2020	RB

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL: ALUMINUM 6061-T6
2. FINISH: CHEM FILM PER MIL-DTL-5541F TYPE I CLASS 3 (YELLOW IRIDITE)
3. CONNECTORS:
J1-J3: N (FEMALE)

		UNLESS OTHERWISE SPECIFIED		OWN	DATE	 WERNER [VERLATONE] SINCE 1965	17 Jon Barrett Rd Patterson, NY 12565	
		INTERPRET DRAWING IN ACC. WITH MIL-STD-100		SD	6/30/2020			
		DIMENSIONS PER ASME Y14.5M-2009		CHK	DATE			
		PARENT DIMENSIONED SURF. FILL KEY ONLY		RB	6/30/2020		TITLE	
		DIMENSIONS ARE IN INCHES		ENGR	DATE		OUTLINE	
		DIMENSIONAL LIMITS APPLY BEFORE PROCESSES/TOLERANCES:		REFR	DATE			SIZE
		ANGLES = 2° 3 P.R. & .005 (17) 2 P.R. & .015 (30)		QA	DATE	B		DWG NO.
D8607W-10		REMOVE ALL BURRS AND SHARP EDGES R0.1 MAX				B 28812		REV
NEXT ASSY USED ON		CIRCULARITY MACHINE DIA. .002 FPM				20179-502		A
APPLICATION		MACHINE TURN .001 MAX		Rlse	DATE	SCALE	1:1	SHEET 1 OF 1
		THIRD ANGLE PROJECTION						

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D8607 Rev.-