


PRODUCT DATA SHEET
D8606W

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: 600 - 3000 MHz
 Power: 200 W CW
 Insertion Loss: 0.5 dB Max.
 VSWR: 1.35:1 Max.
 Phase Balance: ± 5° Max.
 Amplitude Balance: 0.25 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
 Humidity: 100% Condensing (Watertight Design)
 Weight: 12.35 oz.
 Size: 4.19 x 2.06 x 1.02"

Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D8606W-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.

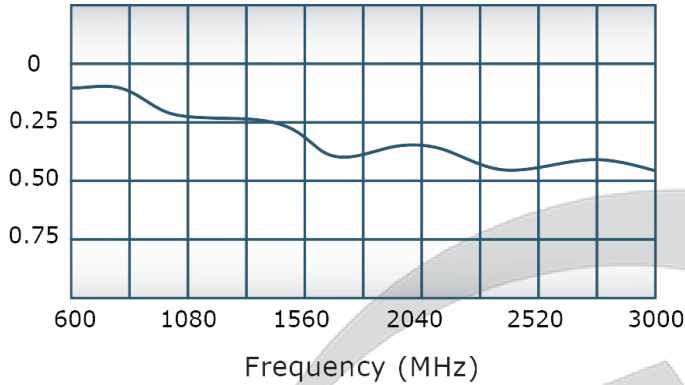


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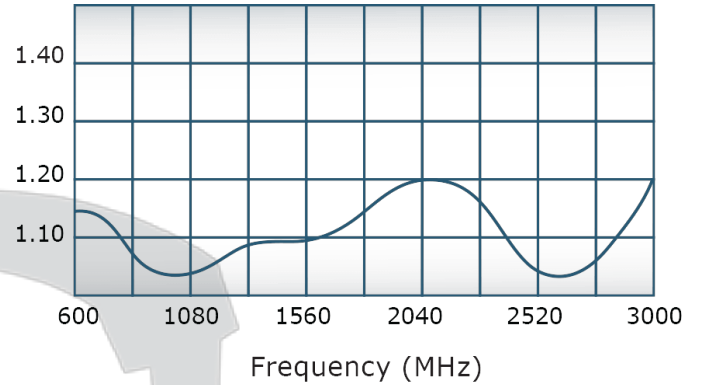
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Performance Data (Specifications subject to change without notice):

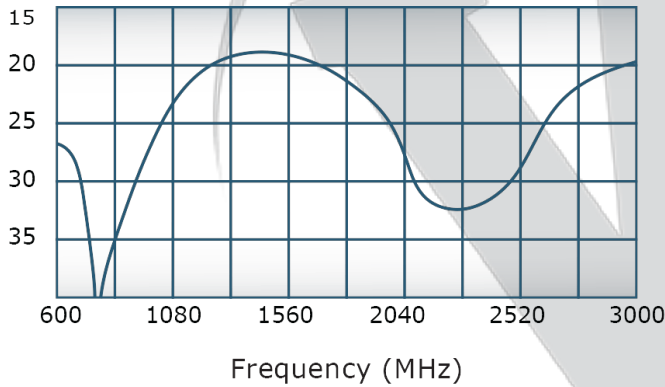
Insertion Loss:



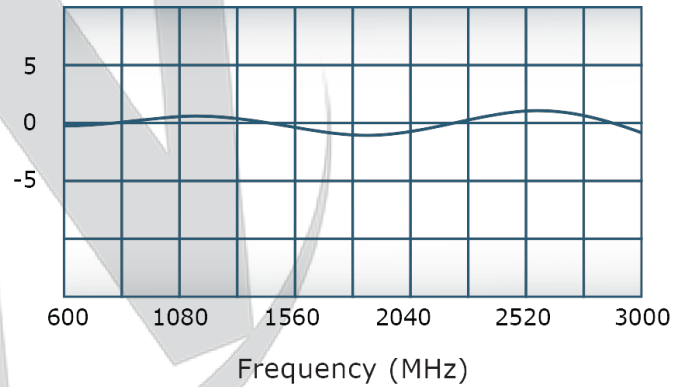
VSWR:



Isolation:



Phase Balance:



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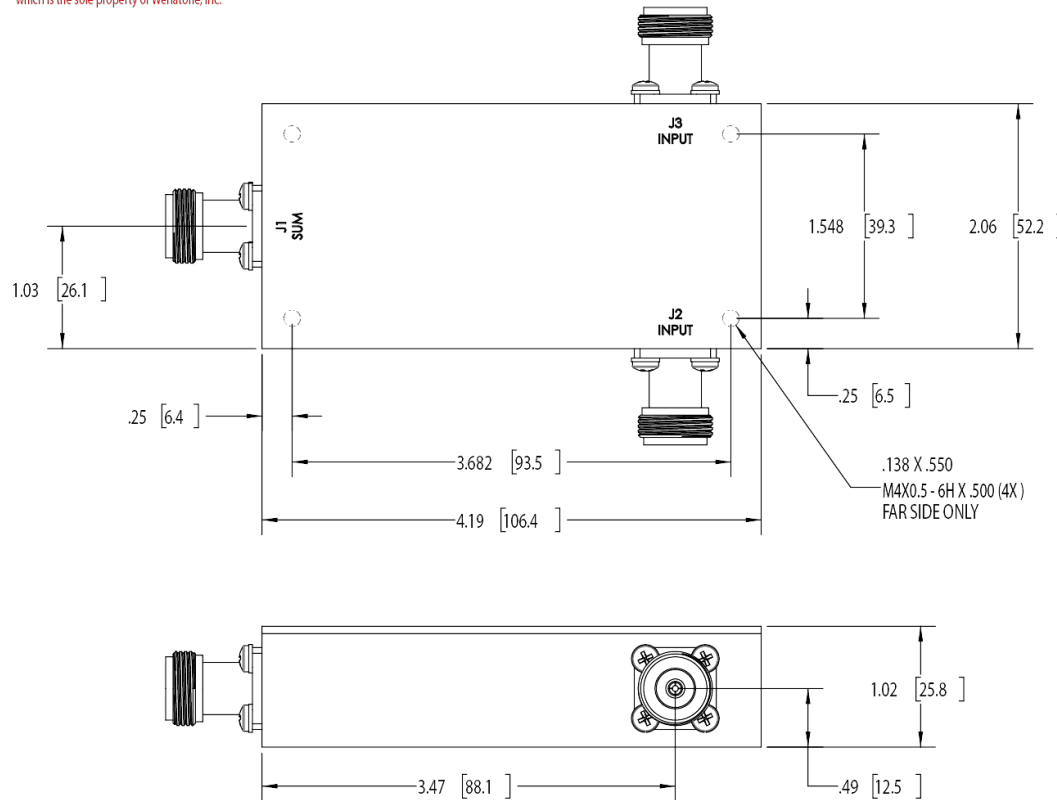
Werlatone, Inc.

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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	NEW RELEASE	8/12/2020	RB

- NOTES: UNLESS OTHERWISE SPECIFIED
- MATERIAL: ALUMINUM 6061-T6
 - FINISH: CHEM FILM PER MIL-DTL-5541F TYPE I CLASS 3 (YELLOW IRIDITE)
 - CONNECTORS:
J1-J3: N FEMALE



APPLICATION		UNLESS OTHERWISE SPECIFIED		DRAWN	DATE	WERLATONE SINCE 1905		17 Jon Barrett Rd Patterson, NY 12563	
NEXT ASSY	USED ON	INTERPRET DRAWING AND MIL-STD-883C	SD	8/12/2020	TITLE	SIZE	CASE CODE	DWG NO	REV
		D8606	CHK	8/12/2020					
		THIRD ANGLE PROJECTION	ENGR	8/12/2020	SCALE 1:1				
			DATE		SHEET 1 OF 1				

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