



## 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:  $\pm 5^\circ$  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.



# WERLATONE

Model D8606W

Combiners In-Phase Connectorized

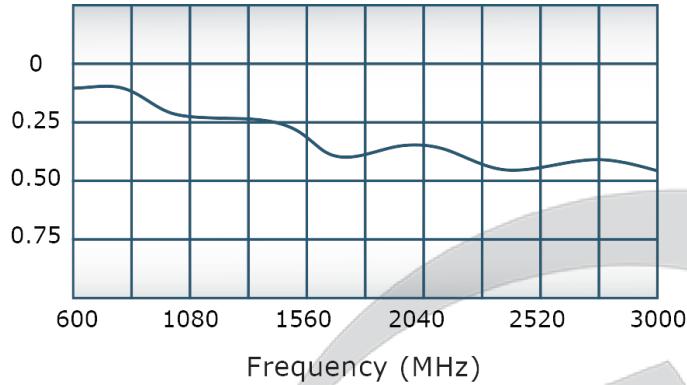


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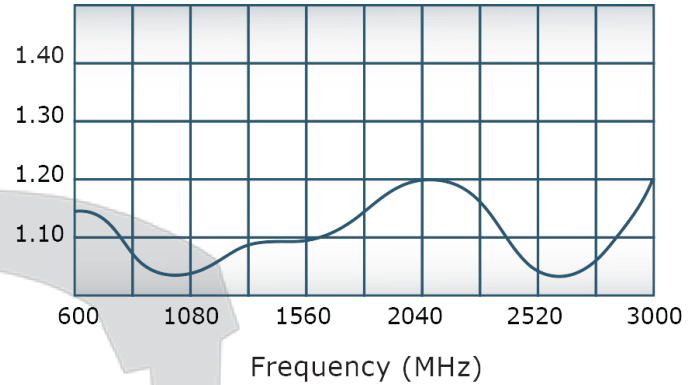
D8606W

### Performance Data (Specifications subject to change without notice):

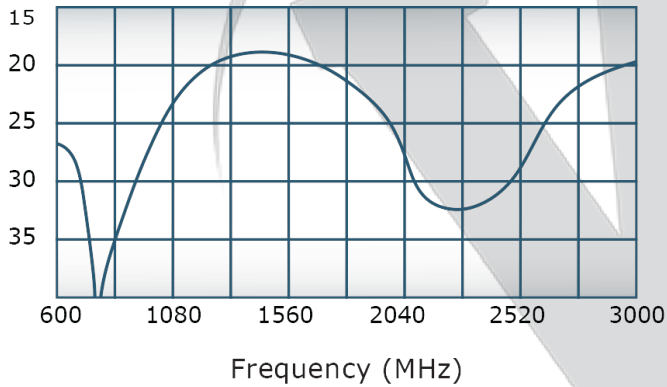
Insertion Loss:



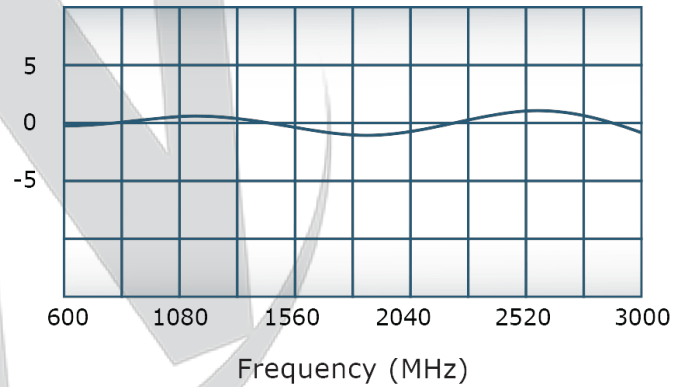
VSWR:



Isolation:



Phase Balance:



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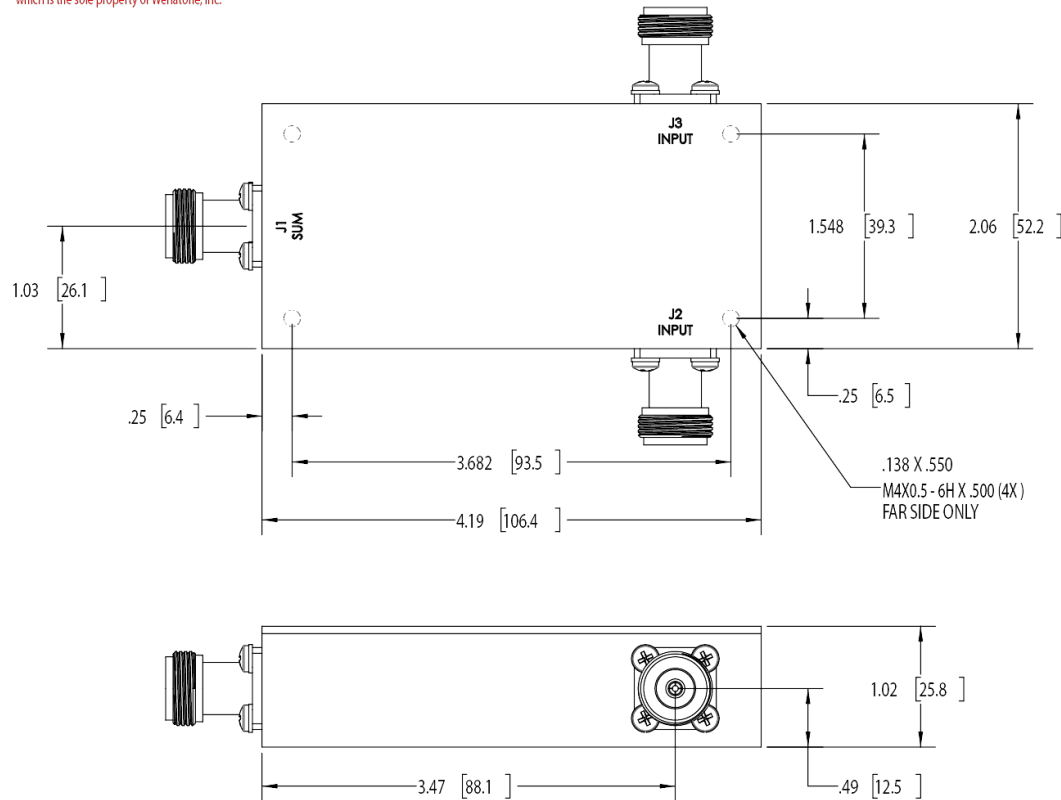
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# REVISION HISTORY

REV.	REVISION RECORD	DATE	APPROVED
A	NEW RELEASE	8/12/2020	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: FEMALE



		UNLESS OTHERWISE SPECIFIED		OWN	DATE	<div><div>W</div><div>WEPLANTONE</div></div>   SINCE 1965		17 Jon Barrett Rd Patterson, NY 12563	
		INTERPRET DRAWING AND MIL-STD-883C		SD	DATE	TITLE			
		CONFORMING TO: MIL-STD-883C		CHK	DATE	OUTLINE			
		AWARNING: INFO FOR REF ONLY		CS	DATE	SIZE		CASE CODE	
		AWARNING: INFO FOR REF ONLY		ENGR	DATE	B		20613-502	
		AWARNING: INFO FOR REF ONLY		WFSR	DATE	SCALE		1:1	
		AWARNING: INFO FOR REF ONLY		SA	DATE	SHEET		1 OF 1	
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D8606									
NEXT ASSY		USED ON							
APPLICATION		THIRD ANGLE PROJECTION							

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