



## PRODUCT DATA SHEET

D8607W

**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: ± 5° 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"  
Humidity: 100% Condensing (Watertight Design) Protected to IP-67

### Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D8607W-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.

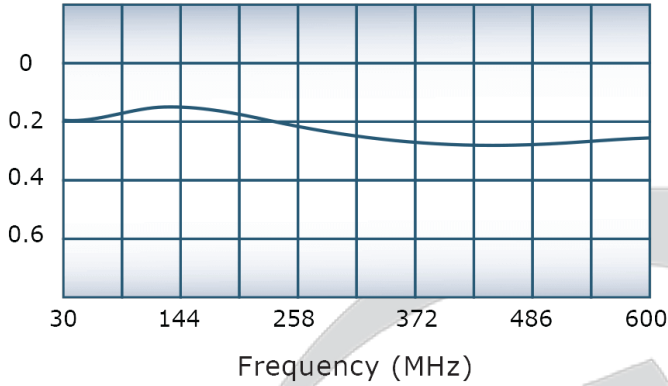
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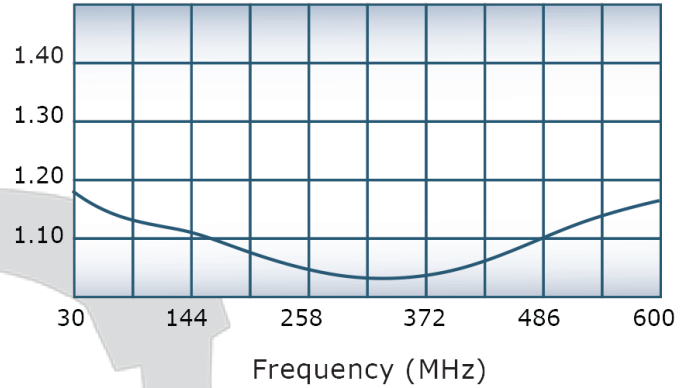


## Performance Data (Specifications subject to change without notice):

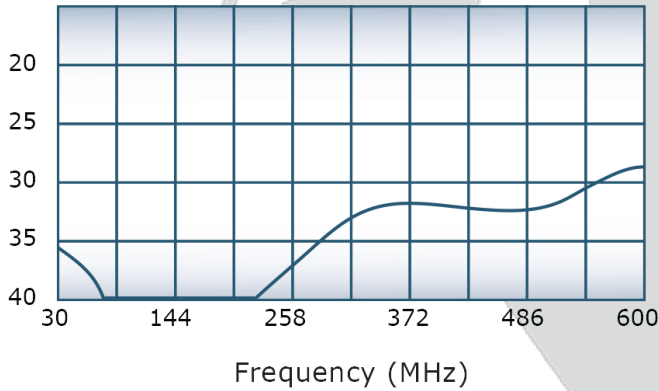
Insertion Loss:



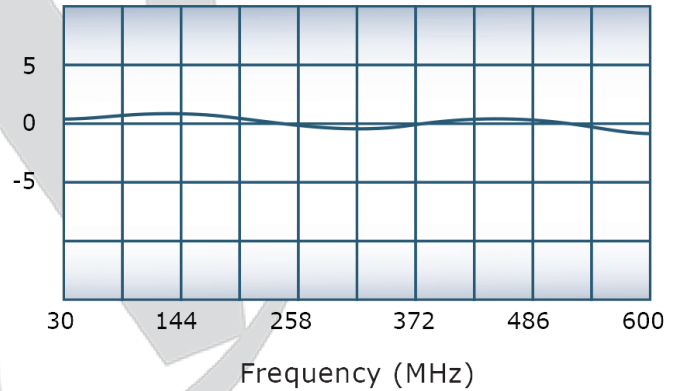
VSWR:



Isolation:



Phase Balance:

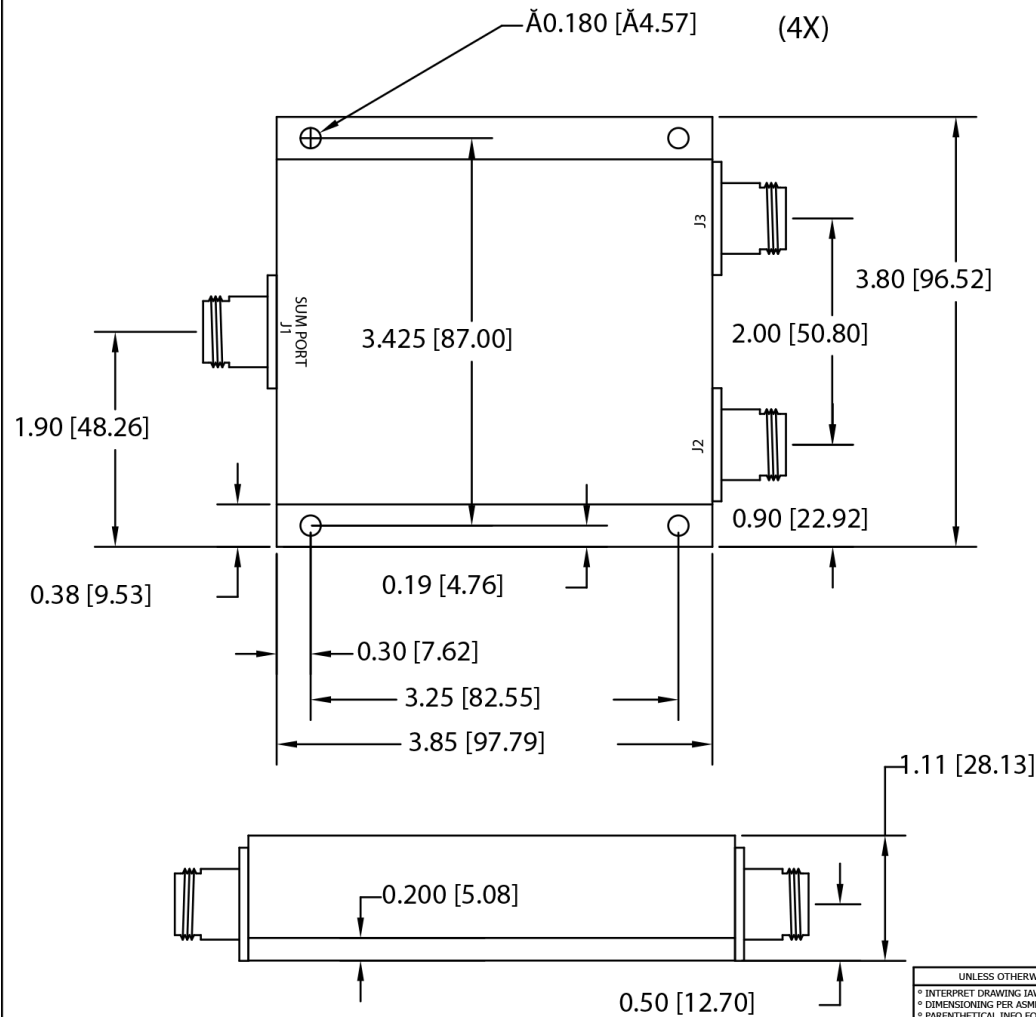


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REVISION HISTORY					
DATE	REV	REVISION RECORD	AUTH	CHK	APPV
2/28/13	-	INITIAL RELEASE	SC	BW	BW



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UNLESS OTHERWISE SPECIFIED		DWN	DATE	WERLATONE   SINCE 1965 2095 Route 22 Brewster, NY 10509
° INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100 ° DIMENSIONING PER ASME Y14.5M-2009 ° PARENTHESES FOR REF ONLY ° DIMENSIONS ARE IN MILLIMETERS ° DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		SC	2/28/2013	
° TOLERANCES: ANGLES ± 2° XXX ± .005 XX ± .015 ° HOLE TOLERANCES +.004/- .001		CHK	DATE	TITLE
THIRD ANGLE PROJECTION		BW	2/28/2013	Antennenkoppler V/UHF
		ENGR	DATE	USED ON
		BW	2/28/2013	6152.3351.00.
		MFGR	DATE	SIZE
		QA	DATE	CAGE CODE
		RLSE	DATE	DWG NO
				A 28812 20179-502 (D8607W-10)
				SCALE 1:1
				SHEET 1 OF 1

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