



## PRODUCT DATA SHEET

D7695

**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: 900 - 1300 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: 20 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: 12 oz.  
Size: 4.0 x 3.3 x 0.8"

### Connector Configurations:

Model	Sum Port (J5)	Input/Output (J1-J4)
D7695-12	N Female	SMA
D7695-102	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.



# WERLATONE

Model D7695

Combiners In-Phase Connectorized

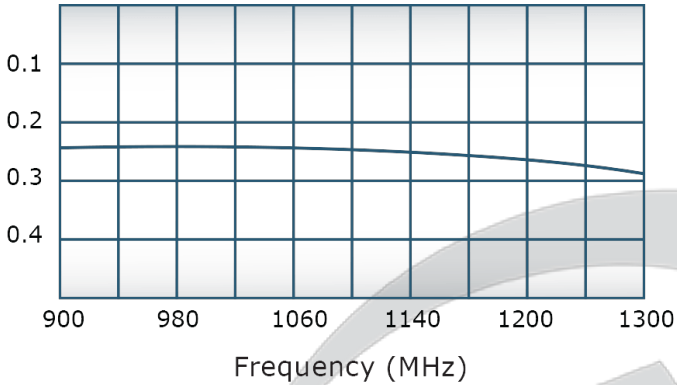


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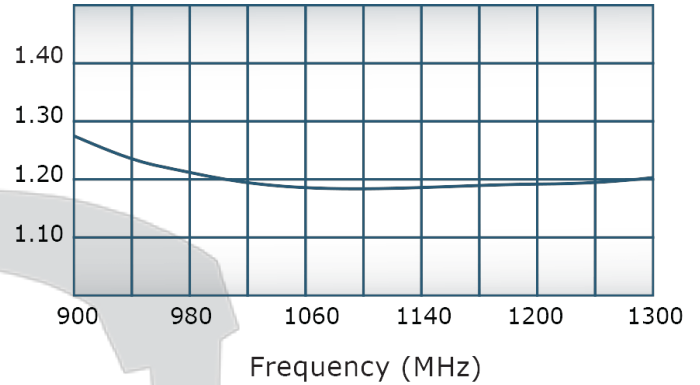
D7695

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

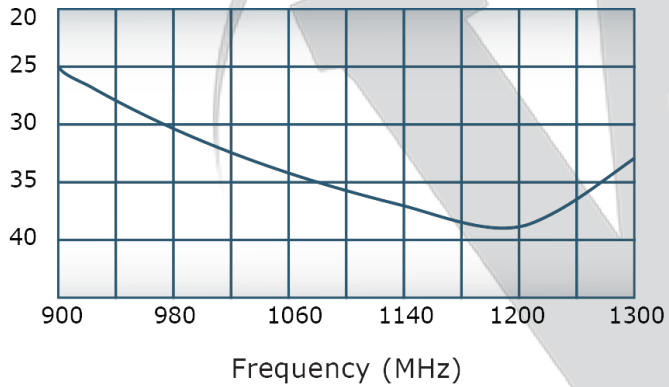
Insertion Loss:



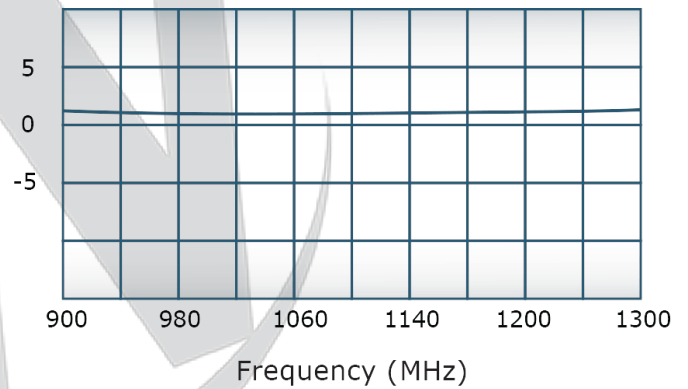
VSWR:



Isolation:



Phase Balance:



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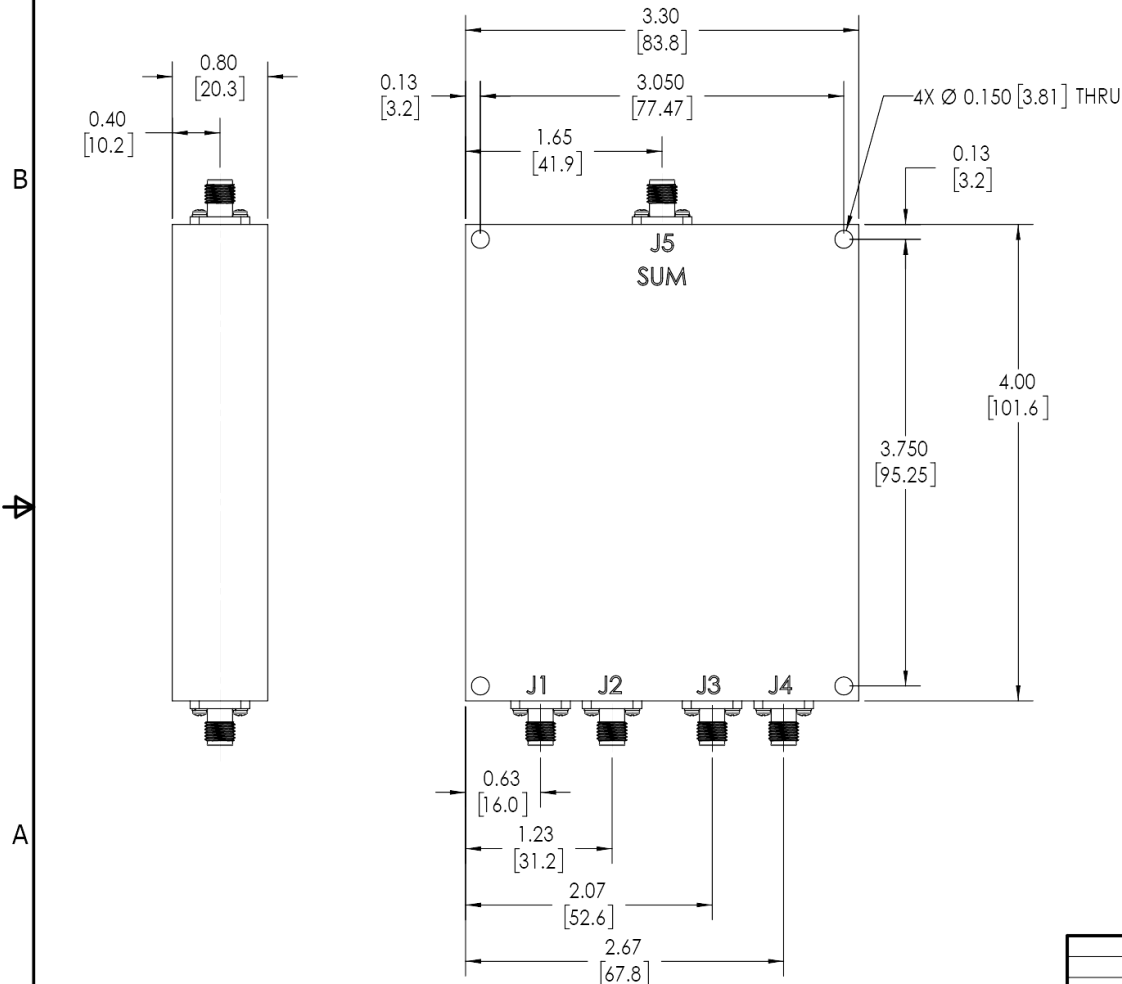
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	11/20/2019	RB

**NOTES: UNLESS OTHERWISE SPECIFIED**

- MATERIAL: ALUMINUM 6061-T6**
- FINISH: CHEM FILM PER MIL-DTL-5541F TYPE I CLASS 3 (YELLOW IRIDITE)**
- CONNECTORS:**  
**J1-J5: SMA FEMALE**



		UNLESS OTHERWISE SPECIFIED		OWN	DATE	[W] WERLATONE  SINCE 1965		17 Jon Barrett Rd Patterson, NY 12563	
		INTERPRET DRAWING 1000 MIL-STD-100		SD	11/20/2019				
		DIMENSIONS PER ASME Y14.5M-2009		CHK	DATE				
		PARENTHESES FOR REF ONLY		CS	11/20/2019	TITLE			
		DIMENSIONS ARE IN INCHES		ENGR	DATE	OUTLINE			
		DIMENSIONAL LIMITS APPLY BEFORE FINISHES		INPR	DATE				
		TOLERANCES:		QA	DATE	SIZE		CAGE CODE	DWG NO
		ANGLES ± 2°		RLSE	DATE	SCALE			REV
		3 PL ± .005 [13]				B		20226-500	A
		2 PL ± .015 [38]				1:1			
		REMOVE ALL BURRS AND SHARP EDGES R.01 MAX							
		CONCENTRICITY MACHINED DIA. .002 FIM							
		MACHINE TOOL MISMATCH .003 FIM							
		THIRD ANGLE PROJECTION							
NEXT ASSY		USED ON							
APPLICATION									

19		WERLATONE  SINCE 1965		17 Jon Barrett Rd Patterson, NY 12563	
19 TITLE					
OUTLINE					
SIZE		CAGE CODE		DWG NO	
B				20226-500	
				REV	
				A	
SCALE		1:1		SHEET 1 OF 1	

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