



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.

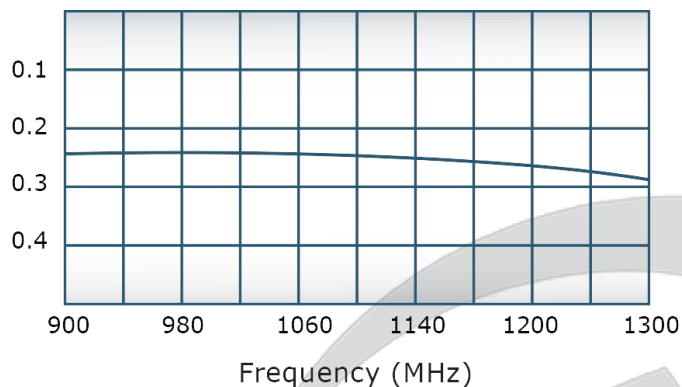


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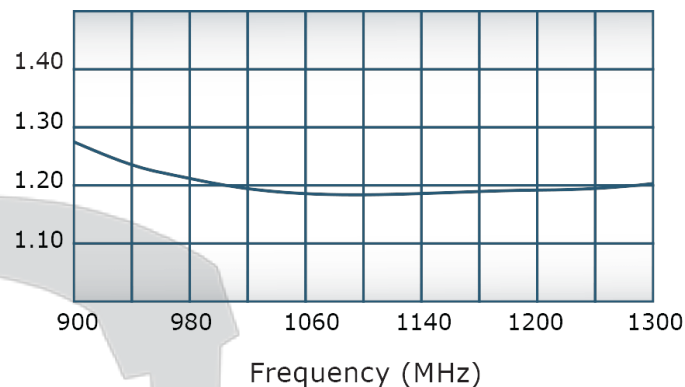
D7695

Performance Data (Specifications subject to change without notice):

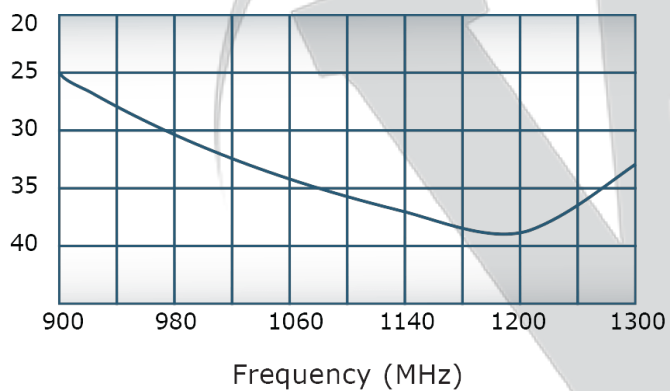
Insertion Loss:



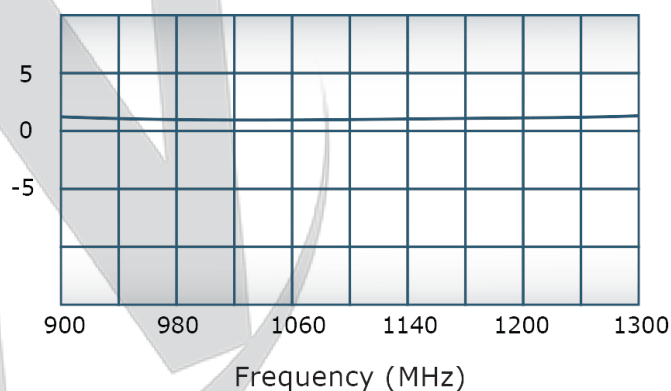
VSWR:



Isolation:



Phase Balance:

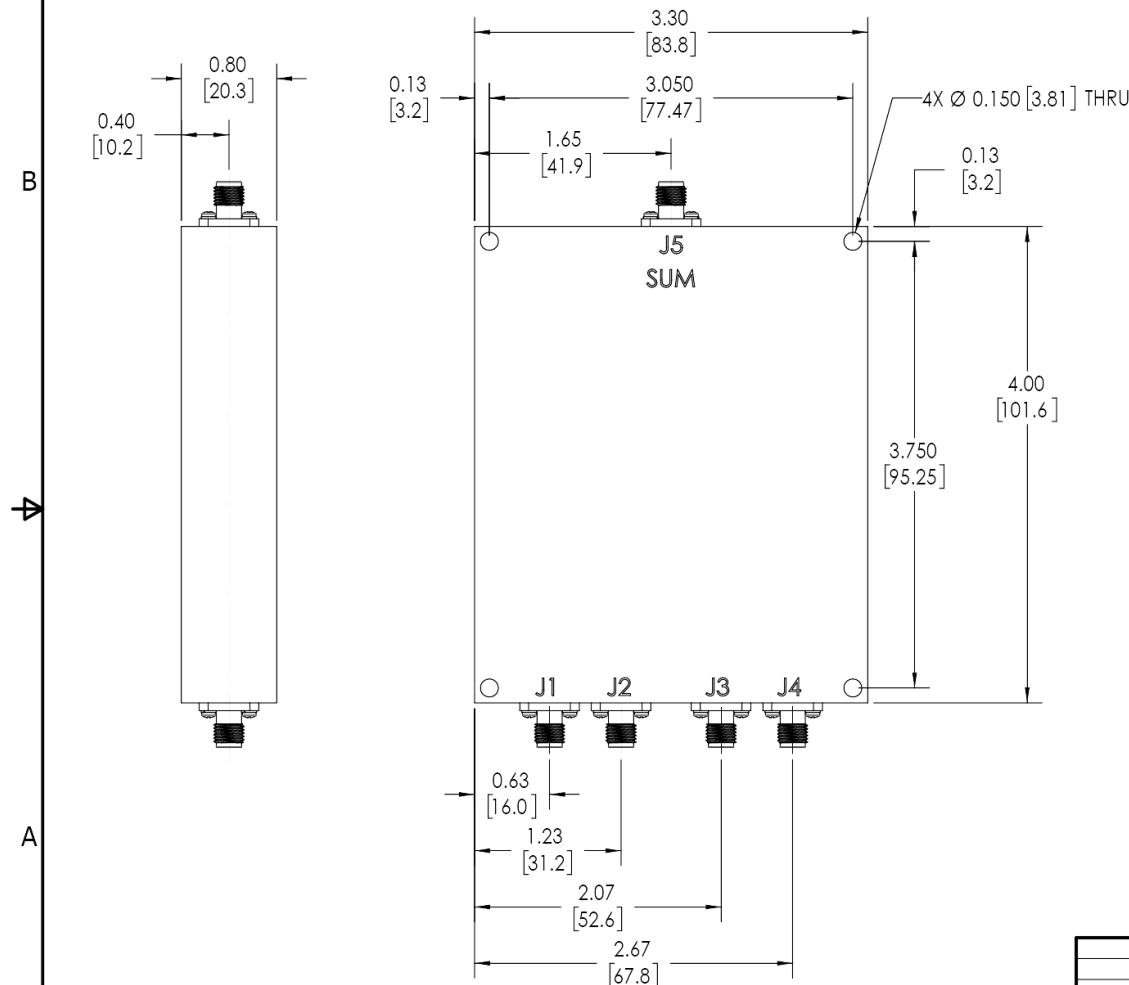


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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	11/20/2019	RB

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	<div><div></div><div>WERLATONE</div><div>SINCE 1965</div></div>		17 Jon Barrett Rd Patterson, NY 12563			
		SD	11/20/2019								
		CHK	DATE								
		CS	11/20/2019								
		ENGR	DATE								
				INPR	DATE	TITLE <div>OUTLINE</div>		SIZE	CAGE CODE	DWG NO	REV
		QA	DATE								
		RLSE	DATE								
NEXT ASSY		USED ON									A
APPLICATION		THIRD ANGLE PROJECTION									

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

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