



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

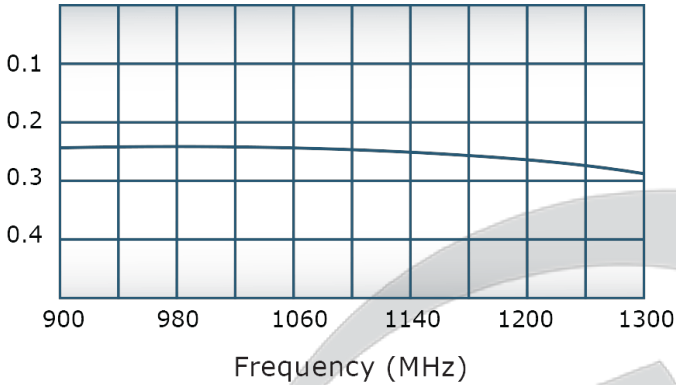


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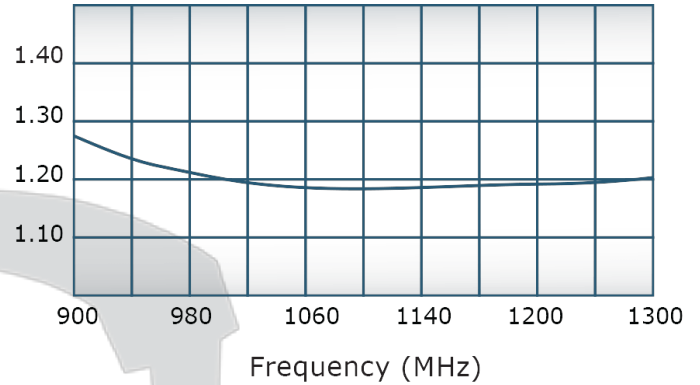
D7695

Performance Data (Specifications subject to change without notice):

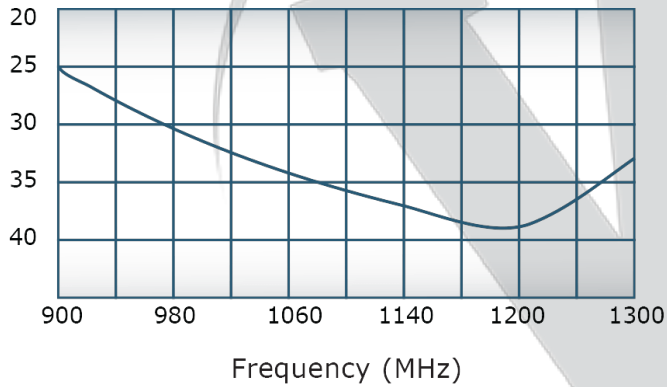
Insertion Loss:



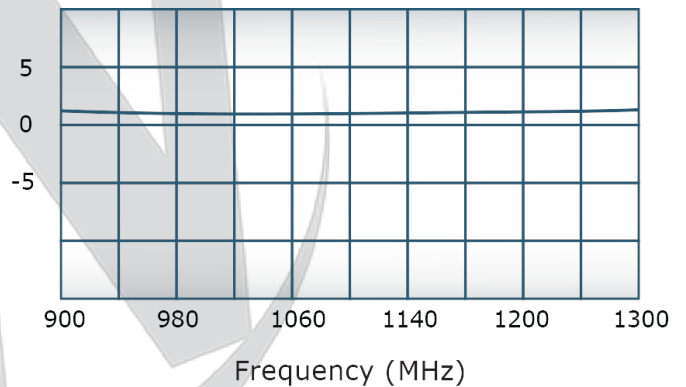
VSWR:



Isolation:



Phase Balance:



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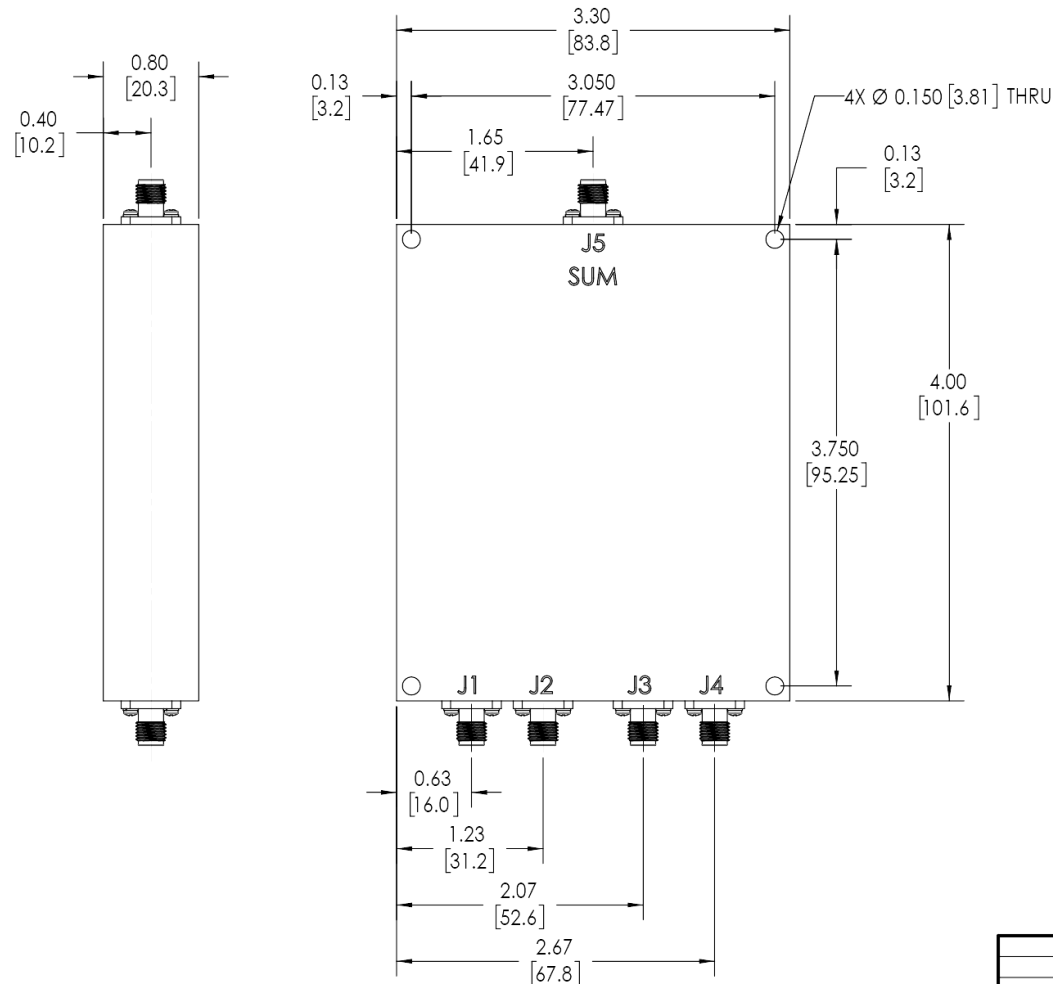
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

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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	11/20/2019		WERLATONE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563	
		INTERPRET DRAWING 100% MIL-STD-100		SD	DATE	11/20/2019			OUTLINE SIZE CAGE CODE DWG NO 20226-500	REV A
		DIMENSIONS PER ASME Y14.5M-2009		CHK	DATE	11/20/2019				
		PARENTHESES FOR REF ONLY		CS	DATE	11/20/2019				
		DIMENSIONS ARE IN INCHES		ENGR	DATE	11/20/2019				
		DIMENSIONAL LIMITS APPLY BEFORE FINISHES		INPR	DATE	11/20/2019				
		TOLERANCES:		QA	DATE	11/20/2019				
		ANGLES ± 2°		RLSE	DATE	11/20/2019				
		3 PL ± .005 [13]								
		2 PL ± .015 [38]								
		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		17 Jon Barrett Rd Patterson, NY 12563	
19		TITLE	
19		OUTLINE	
19		REV	
19		A	
19		SHEET 1 OF 1	

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