



PRODUCT DATA SHEET

D8032

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: 25 - 450 MHz
Power: 200 W CW
Insertion Loss: 0.75 dB Max.
VSWR: 1.35:1 Max.
Phase Balance: $\pm 5^\circ$ Max.
Amplitude Balance: 0.3 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
Size: 5.4 x 3.0 x 1.0"

Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2-J4)
D8032-10	N Female	N Female
D8032-102	SMA	SMA
D8032-302	TNC Female	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 D8032

Combiners In-Phase Connectorized

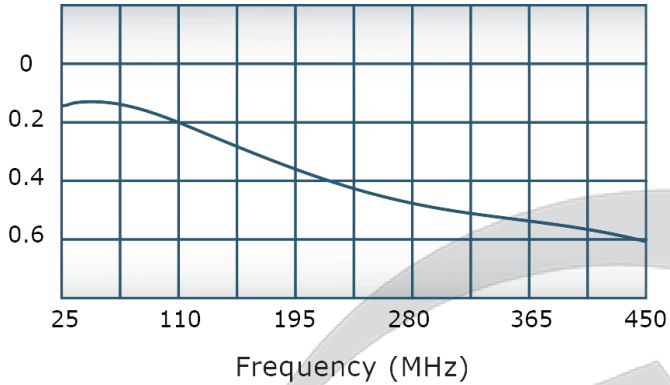


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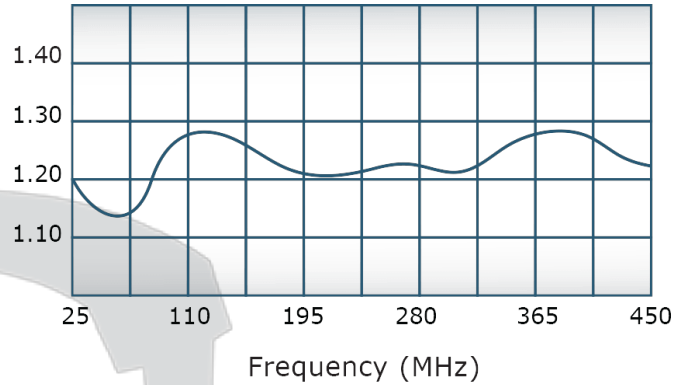
D8032

Performance Data (Specifications subject to change without notice):

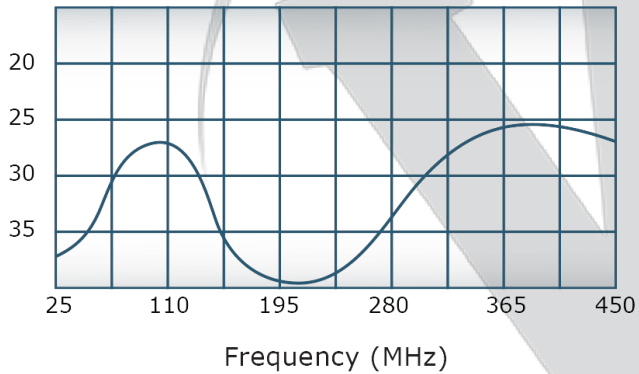
Insertion Loss:



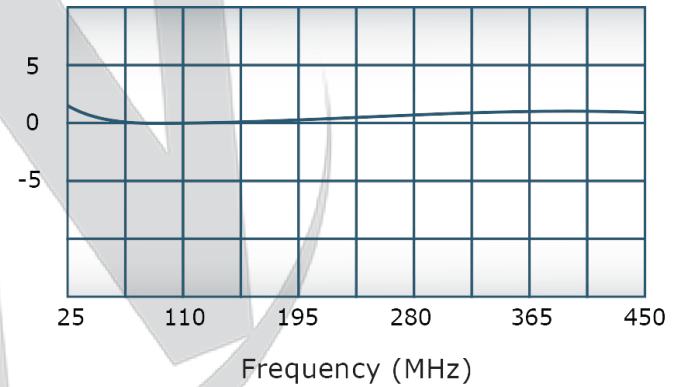
VSWR:



Isolation:



Phase Balance:



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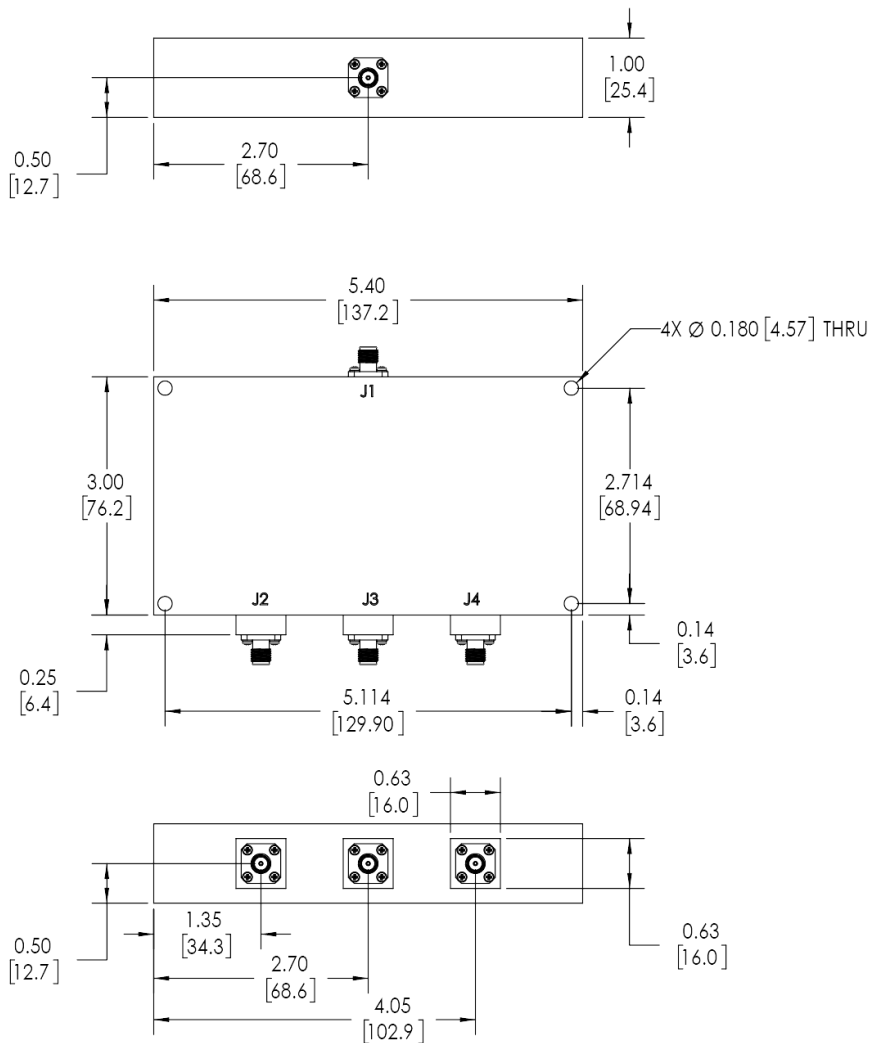
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	11/25/2019	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-J4: SMA FEMALE



UNLESS OTHERWISE SPECIFIED INTERPRET DRAWING INAW MIL-STD-1300 DIMENSIONS IN PER ASME 14.94-2009 DIMENSIONAL TOLERANCES PER ASME Y14.5-2009 DIMENSIONS ARE IN INCHES DIMENSIONAL LIMITS APPLY BEFORE FINISHES TOLERANCES: ANGLES = 3" 3 FC = .005 [13] 2 FC = .015 [30] REMOVE ALL BURRS AND SHARP EDGES R.01 MAX CONCENTRICITY MAXIMUM .004-.002 FIM MACHINE FLYK HATCHING .003 MAX		OWN	DATE	 WERLATONE SINCE 1965		17 Jon Barrett Rd Patterson, NY 12563	
		SD	11/25/2019				
NEXT ASSY USED ON		CHK	DATE	TITLE OUTLINE			
		CS	11/25/2019				
APPLICATION		ENGR	DATE	SIZE CAGE CODE DWG NO B 1.5		REV A	
		MRGR	DATE				
THIRD ANGLE PROJECTION 		QA	DATE	20403-500		SHEET 1 OF 1	
		RLSE	DATE				

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