



## 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

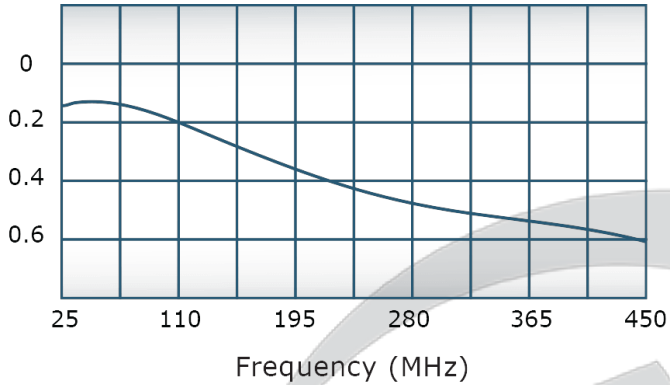


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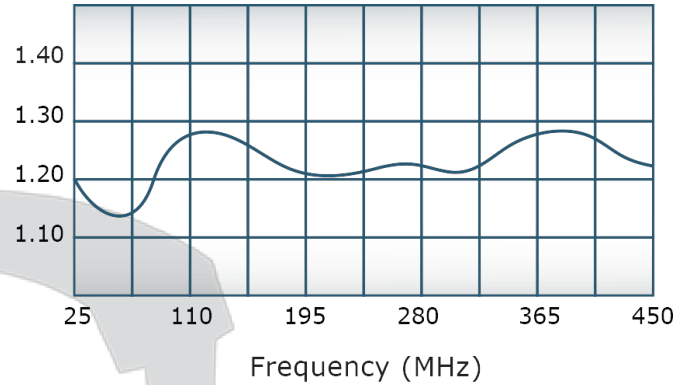
D8032

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

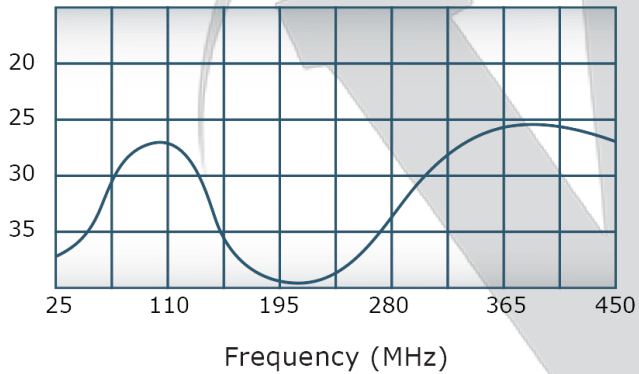
Insertion Loss:



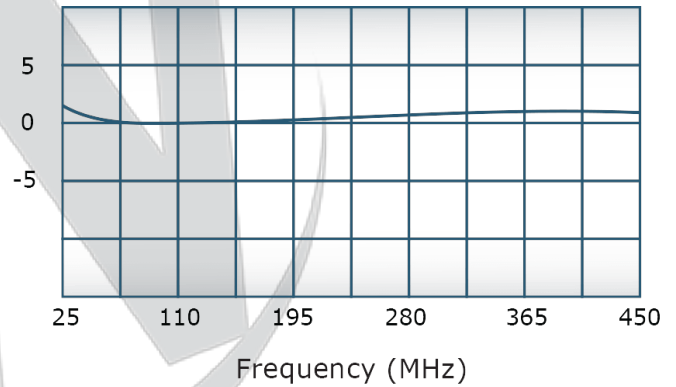
VSWR:



Isolation:



Phase Balance:



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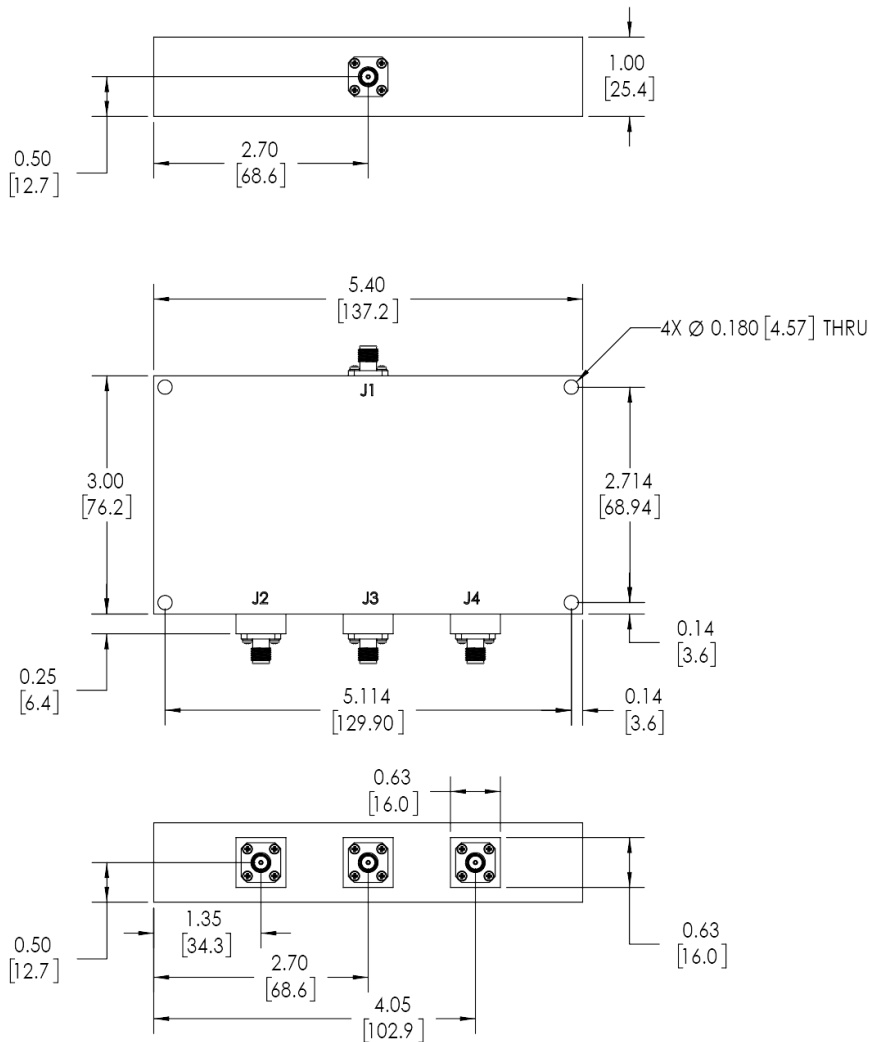
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	11/25/2019	RB

**NOTES: UNLESS OTHERWISE SPECIFIED**

- MATERIAL: ALUMINUM 6061-T6**
- FINISH: CHEM FILM PER MIL-DTL-5541F TYPE I CLASS 3 (YELLOW IRIDITE)**
- CONNECTORS:**  
**J1-J4: SMA FEMALE**



UNLESS OTHERWISE SPECIFIED		SD	DATE	11/25/2019	
INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100		CHK	DATE	11/25/2019	
DIMENSIONS PER ASME Y14.5M-2009		ENGR	DATE	11/25/2019	
PARENTHESES FOR DIMENSIONS FOR REF ONLY		DATE	DATE	11/25/2019	
DIMENSIONS ARE IN INCHES		DATE	DATE	11/25/2019	
DIMENSIONAL LIMITS APPLY BEFORE FINISHES		DATE	DATE	11/25/2019	
TOLERANCES:		DATE	DATE	11/25/2019	
ANGLES ± 2°		DATE	DATE	11/25/2019	
3 PL ± .005 (13)		DATE	DATE	11/25/2019	
2 PL ± .015 (38)		DATE	DATE	11/25/2019	
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX		DATE	DATE	11/25/2019	
CONCENTRICITY MACHINED DIA. .002 FIM		DATE	DATE	11/25/2019	
MACHINE TOOL MISMATCH .003 MAX		DATE	DATE	11/25/2019	
THIRD ANGLE PROJECTION		DATE	DATE	11/25/2019	
APPLICATION		DATE	DATE	11/25/2019	
NEXT ASSY		DATE	DATE	11/25/2019	
USED ON		DATE	DATE	11/25/2019	
TITLE		DATE	DATE	11/25/2019	
SIZE		DATE	DATE	11/25/2019	
CAGE CODE		DATE	DATE	11/25/2019	
DWG NO		DATE	DATE	11/25/2019	
REV		DATE	DATE	11/25/2019	
SCALE		DATE	DATE	11/25/2019	
1:1.5		DATE	DATE	11/25/2019	
SHEET 1 OF 1		DATE	DATE	11/25/2019	

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