

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: 0.01 - 30 MHz
 Power: 25 W CW
 Insertion Loss 0.4 dB Max.
 VSWR: 1.35:1 Max.
 Phase Balance: ± 5° dB 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 (Clear Iridite) RoHS Compliant Available)
 Operating Temperature: -55°C to +75°C
 Storage Temperature: -60°C to +85°C
 Weight: 1 lb 8 ounces
 Size: 5.0 x 3.0 x 1.5"

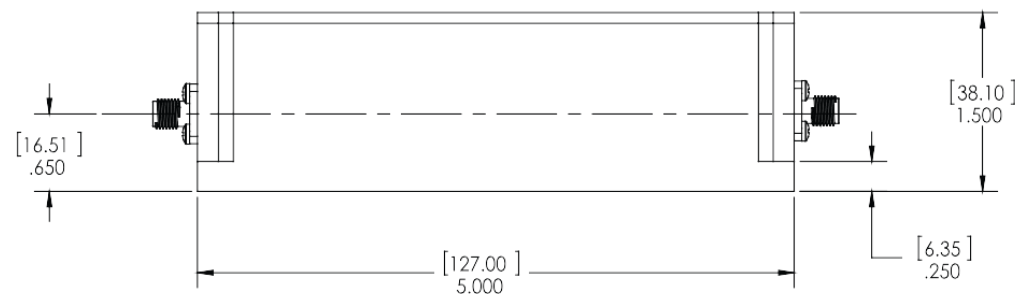
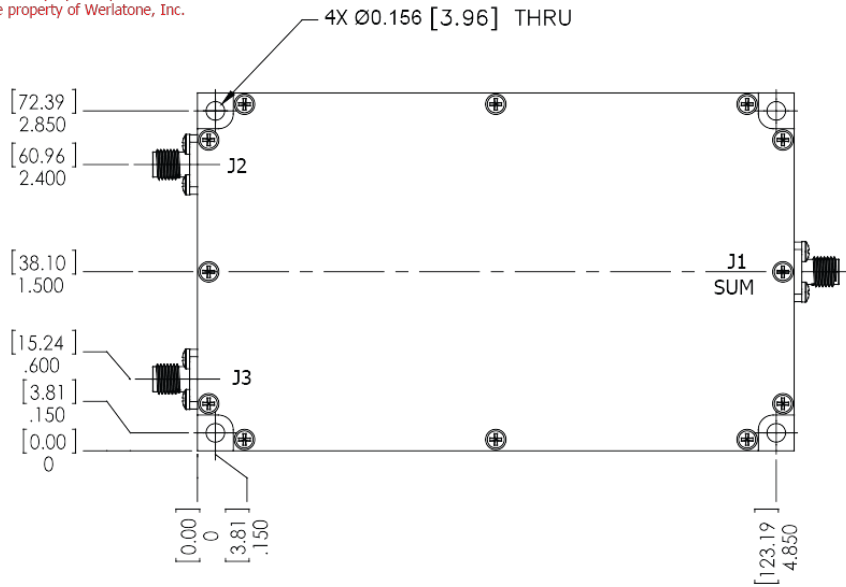
Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D10421-102	SMA Female	SMA Female	SMA Female

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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REVISIONS			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN: 7954	1/15/2013	SC
B	ECN 8714	10/21/14	BW



- NOTES: UNLESS OTHERWISE SPECIFIED**
- MATERIAL: ALUMINUM 6061-T6**
 - SURFACE FINISH: CHEM FILM PER MIL-DTL-5541F TYPE II CLASS 3 (RoHS COMPLIANT)**
 - CONNECTORS: ALL SMA FEMALE**

UNLESS OTHERWISE SPECIFIED	OWN	DATE	17 Jon Barrett Rd Patterson, NY 12563
• INTERPRET DRAWING ACC. MIL-STD-1300	SC	1/15/2013	WERLATONE SINCE 1965
• DIMENSIONS PER ASME Y14.5M-2009	CHK	DATE	
• PARENTHESES FOR REF ONLY	ENGR	DATE	TITLE
• DIMENSIONS ARE IN INCHES	DATE	DATE	SIZE
• DIMENSIONAL LIMITS APPLY BEFORE PROCESSES	REFGR	DATE	CAGE CODE
• TOLERANCES:	QA	DATE	DWG NO
ANGLES ± .2°	DATE	DATE	REV
3 PL ± .005 (1.3)	DATE	DATE	B 28812 20964-500
2 PL ± .015 (1.38)	DATE	DATE	SCALE
• REMOVE ALL BURS AND SHARP EDGES R.04 MAX	DATE	DATE	1:1
• CONCENTRICITY FACED DIA. .063 FDM	DATE	DATE	SHEET 1 OF 1
• MACHINE TOOL MARKS .003 MAX	DATE	DATE	

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