

**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"

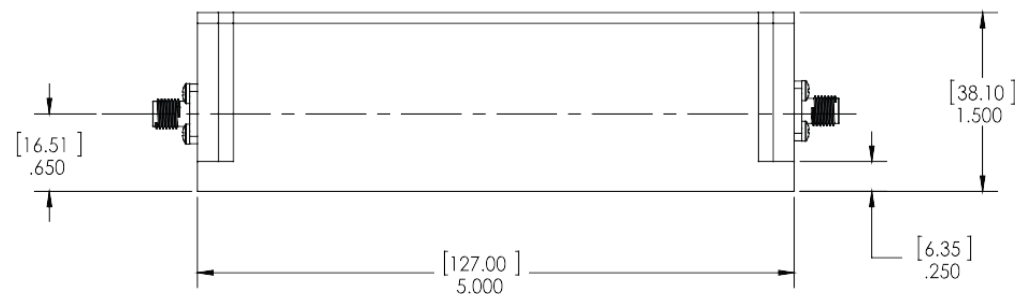
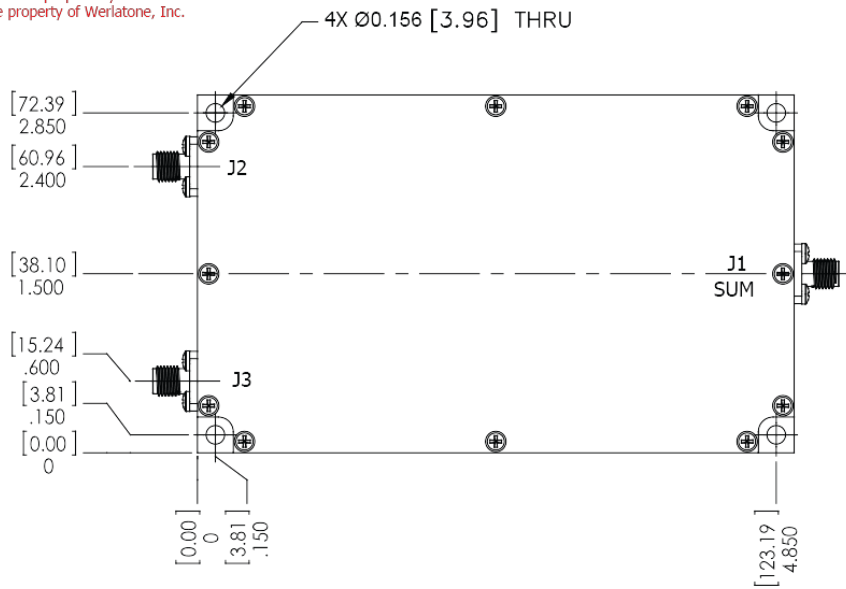
**Connector Configurations:**

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	<b>WERLATONE</b> SINCE 1965 17 Jon Barrett Rd Patterson, NY 12563
• INTERPRET DRAWING ACC. MIL-STD-130	• DIMENSIONS PER ASME Y14.5M-2009	SC	1/15/2013	
• PARENTHETICAL INFO FOR REF ONLY	• DIMENSIONS ARE IN INCHES	CHK	DATE	TITLE
• DIMENSIONAL LIMITS APPLY BEFORE PROCESSES	• TOLERANCES:	ENGR	DATE	SIZE
• ANGLES ± 2°	• REMOVE ALL BURS AND SHARP EDGES R.04 MAX	REFGR	DATE	CAGE CODE
• 3 PL ± .005 (1.3)	• CONCENTRICITY FRACTIONED DIA. .003 FDM	QA	DATE	DWG NO
• 2 PL ± .015 (1.38)	• MACHINE TOOL MARKATCH: .003 MAX	RLSE	DATE	REV
• NEXT ASSY D9515				B 28812 20964-500
• NEXT ASSY USED ON				B
APPLICATION	THIRD ANGLE PROJECTION			SCALE 1:1
				SHEET 1 OF 1

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