

PRODUCT DATA SHEET

D10421

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: $\pm 5^\circ$ 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:

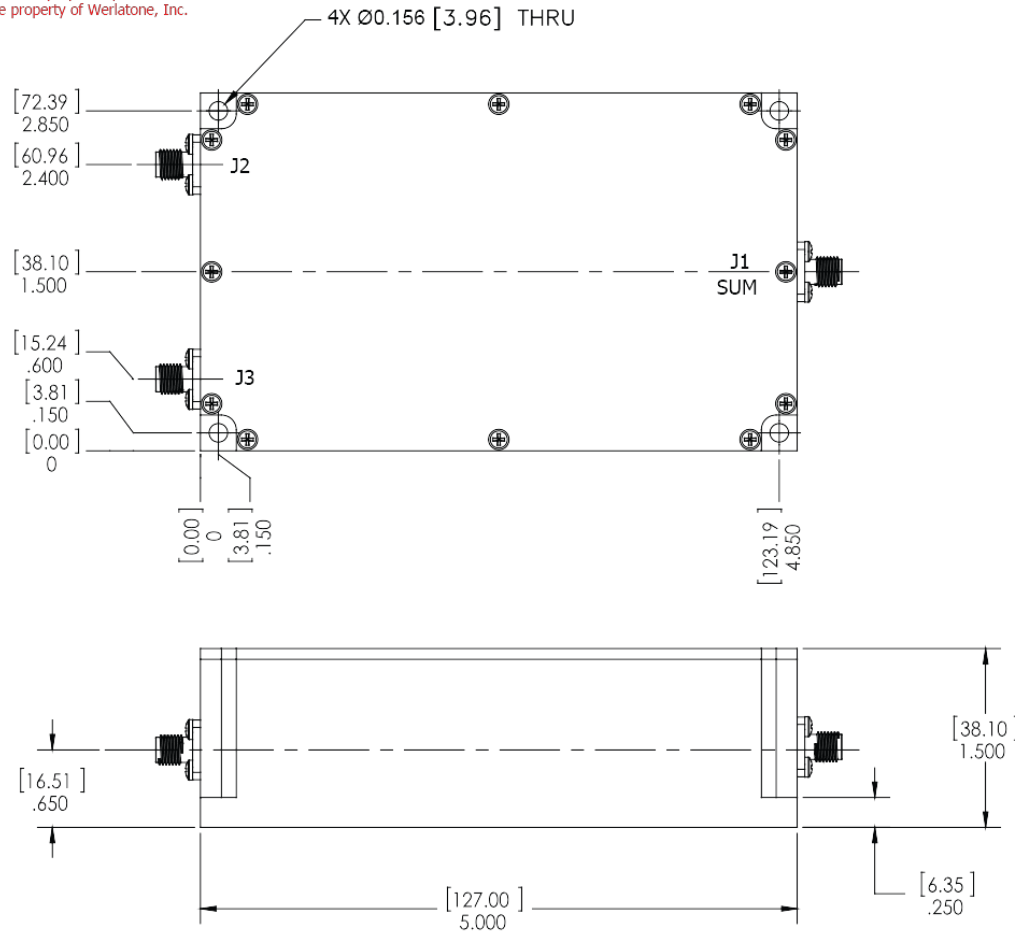
Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D10421-102	SMA Female	SMA Female	SMA Female

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 MAY MIL-STD-130	• DIMENSIONS PER ASME Y14.5M-2009	• PARENTHETICAL INFO FOR REF ONLY	• DIMENSIONS ARE IN INCHES	• DIMENSIONAL LIMITS APPLY BEFORE PROCESSES	• TOLERANCES:	W WERLATONE SINCE 1965	
• ANGLES ± 2°	• 3 PL ± .005 (.13)	• 2 PL ± .015 (.38)	• REMOVE ALL BURS AND SHARP EDGES 0.01 MAX	• CONCENTRICITY MAXIMUM DIA. .003 FIM	• MACHINE TOOL MISMATCH .003 MAX		
• NEXT ASSY USED ON	D9515	APPLICATION	THIRD ANGLE PROJECTION	CHK	DATE	SIZE	CAGE CODE
				ENGR	DATE	B	28812
				QA	DATE	20964-500	REV
				PLSE	DATE	SCALE	1:1
							SHEET 1 OF 1

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