


PRODUCT DATA SHEET
D11149

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 Custom Designs Available

Electrical Specifications:

Frequency: 700 - 6000 MHz
Power: 300 W CW
Insertion Loss: 0.6 dB Max.
VSWR: 1.40:1 Max. (1000-6000 MHz)
1.75:1 Max. (700-1000 MHz)
Phase Balance: $\pm 5^\circ$ Max.
Amplitude Balance: 0.3 dB Max.
Isolation: Non-Isolated

Mechanical Specifications:

Type: Connectorized
Material: Aluminum 6061-T6
Surface Finish: ASTM B733 TY IV .0002/.0004 EN AMS-QQ-N290 CL 1 .0002/.0004 RoHS Compliant Available
Operating Temperature: -55°C to +75°C
Storage Temperature: -60°C to +85°C
Size: 4.35 x 3.9 x 1.15"

Connector Configurations:

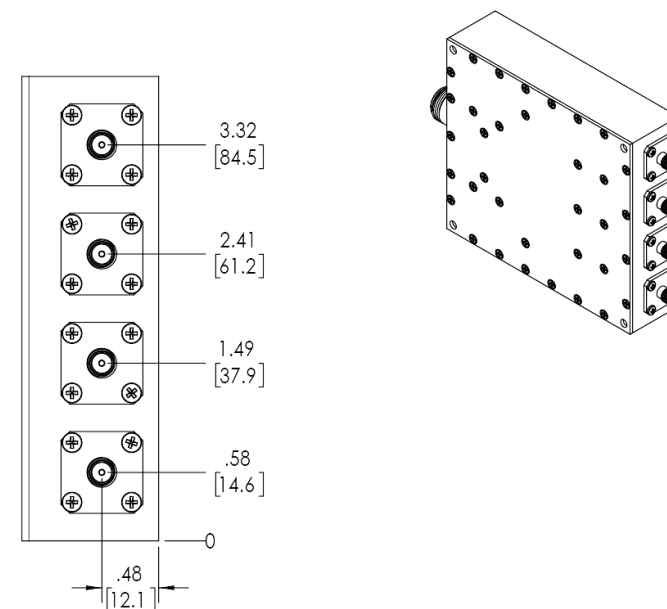
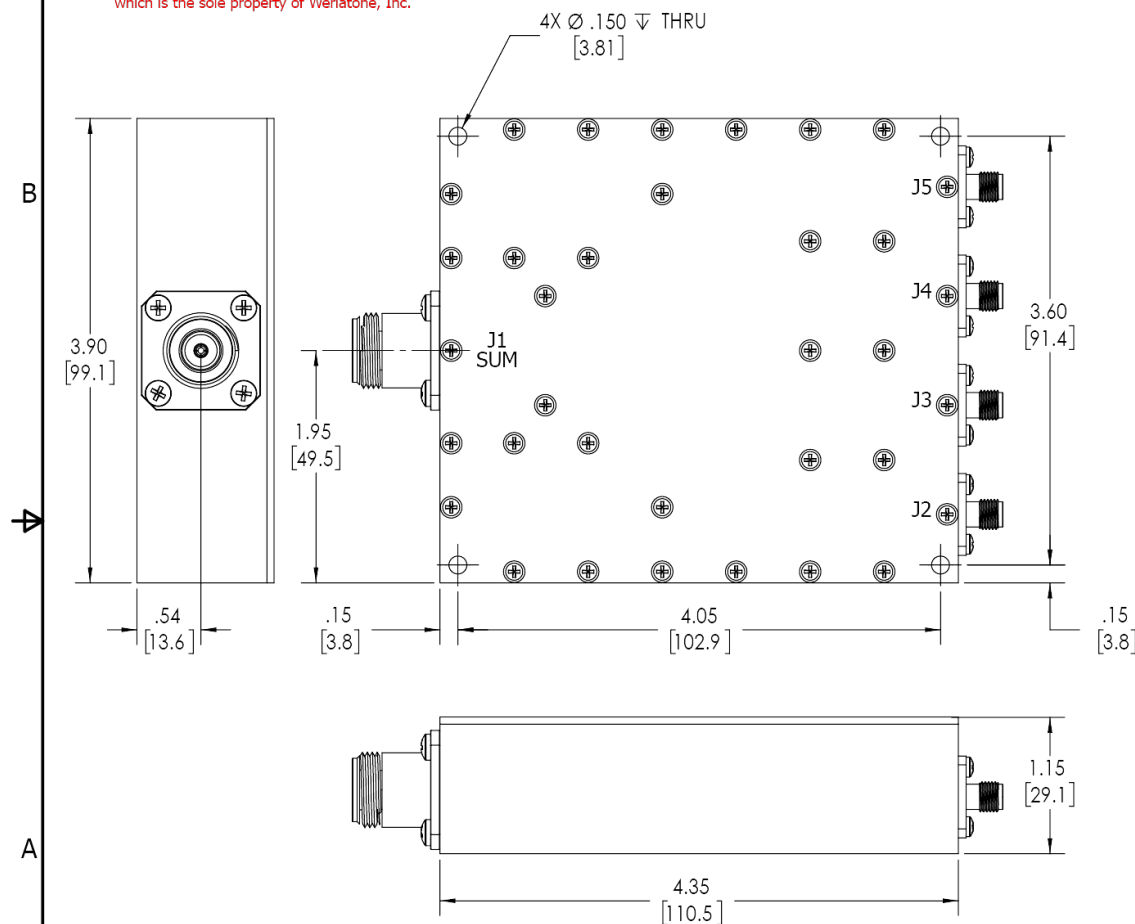
Model	Sum Port (J1)	Inputs/Outputs (J2-J5)
D11149-10	N Female	N Female
D11149-12	N Female	SMA


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.

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REVISION HISTORY

REV.	REVISION RECORD	DATE	APPROVED
A	INITIAL RELEASE	8/24/2018	GP



		UNLESS OTHERWISE SPECIFIED		DWN	DATE	 WERLANTA SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563		
		INTERPRET DRAWING IN ALL YIELD-LINE		WD	8/1/2018				
		DIMENSIONS PER ASME Y14.5M-2009		CHK	DATE				
		PARALLELITY SURF FOR REF ONLY		GP	8/21/2018		TITLE		
		DIMENSIONS ARE IN INCHES		ENVR	DATE	OUTLINE			
		DIMENSIONAL LIMITS APPLY PER-RE PROCESSING TOLERANCES:		3C	8/1/2018		SIZE	CAGE CODE	DWG NO.
		ANGLES = ± 3 PL. ± .005 (1) 2 PL. ± .015 (3)		RFGR	DATE		B	28812	21532-500
		REMOVE ALL BURRS AND SHARP EDGES 8.01 MAX CONCENTRICITY MACHINED DIA. .002 MAX MACHINE TOOL, INSPECTION, AND MAX.		QA	DATE		SCALE	1:1	
				RLSE	DATE				
D11149-12 USED ON		THIRD ANGLE PROJECTION						SHEET 1 OF 1	
NEXT ASSY									
APPLICATION									

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