



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"

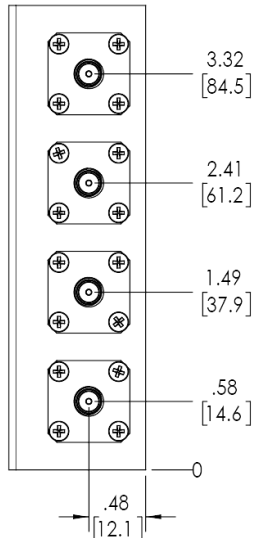
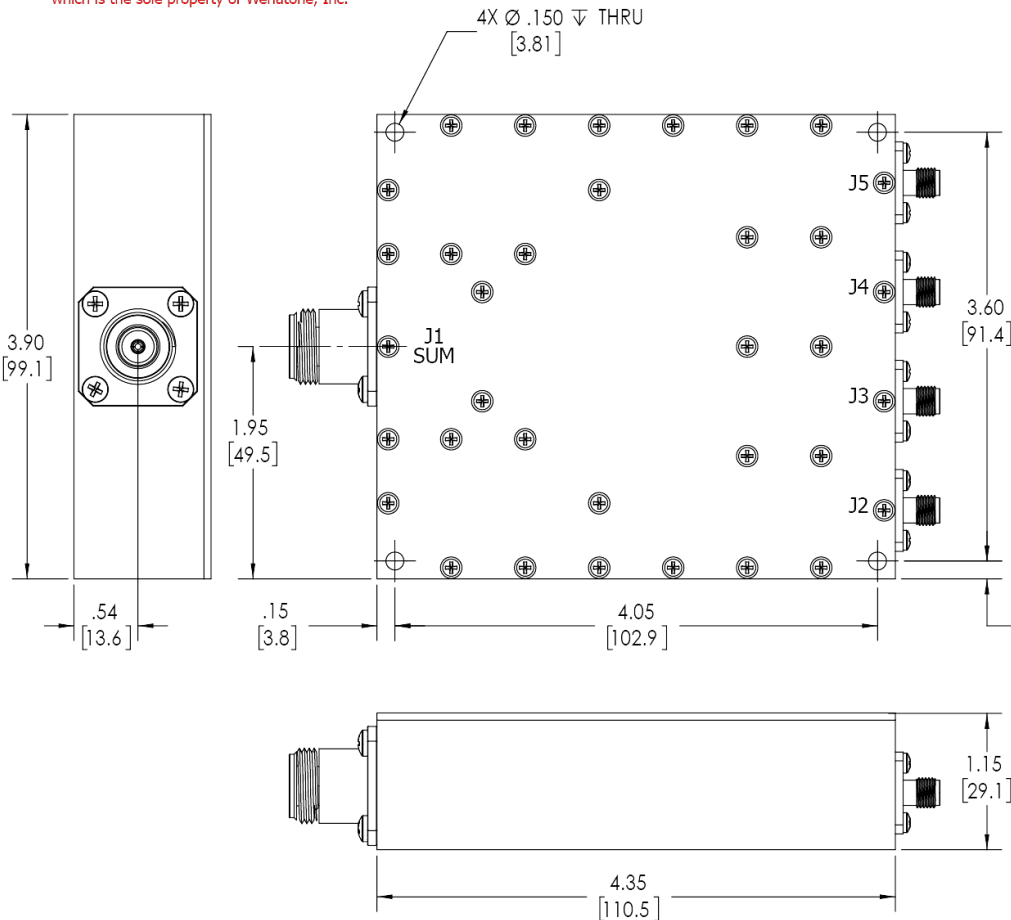
Connector Configurations:

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



		UNLESS OTHERWISE SPECIFIED		OWN	DATE	 WELRATONIS SINCE 1965 TITLE OUTLINE SIZE CAGE CODE DWG NO. B 28812 21532-500 SCALE 1:1	17 Jon Barrett Rd Patterson, NY 12561
		INTERPRET DRAWING IAW MIL-STD-100		WD	8/1/2018		
		DIMENSIONS PER ASME Y14.5-2009		CHK	8/21/2018		
		PARENTETICAL INCHES PER REF. ONLY		GP	8/21/2018		
		DIMENSIONAL LIMITS APPLY BEFORE PROCESSES TOLERANCES.		ENGR	8/21/2018		
		ANGLES ± 2° 3 PL ± .005 (1/32) 2 PL ± .015 (1/16)		JC	8/21/2018	REV A	
		REMOVE ALL BURRS AND SHARP EDGES R.0.1 MAX		QA	DATE		
		CONCENTRICITY MACHINED DIA. .002 FIM		RLSE	DATE		
		MACHINE TIME HIGHLIGHT .003 MAX					
		THIRD ANGLE PROJECTION 					
D1149-12 NEXT ASSY USED ON		APPLICATION				SHEET 1 OF 1	

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