



WERLATONE

Model D11149

Combiners In-Phase Connectorized



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:	± 5° 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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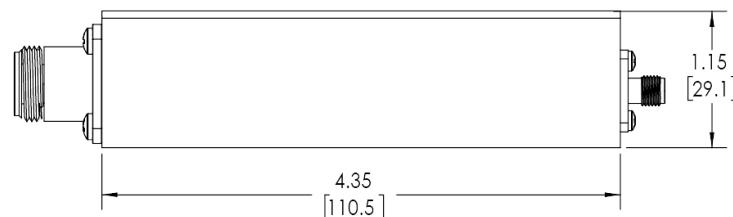
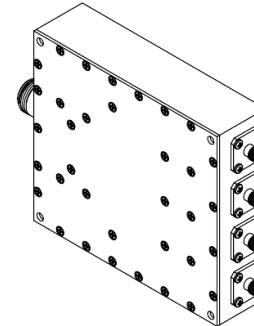
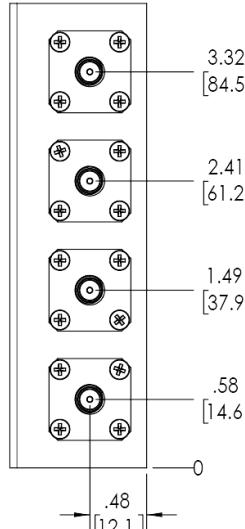
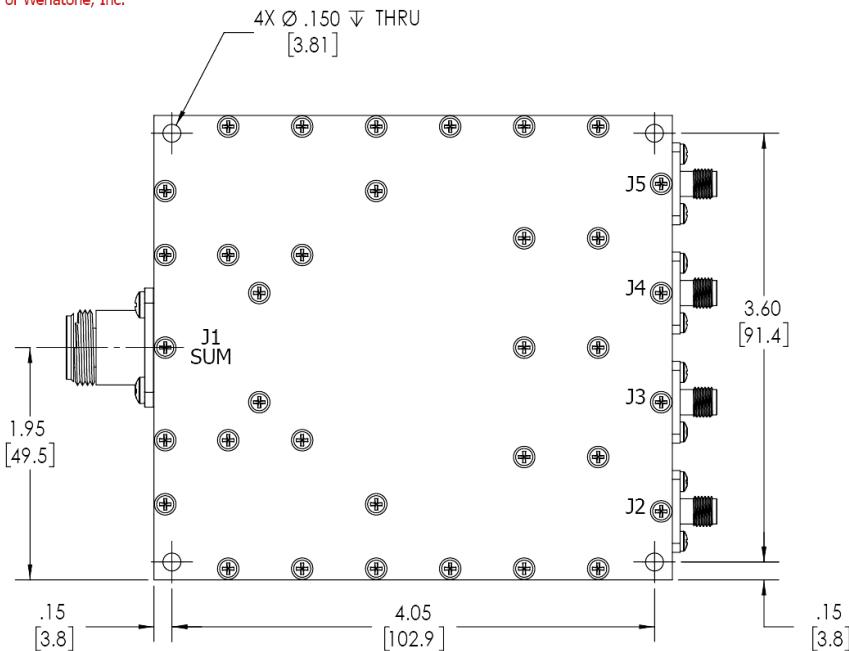
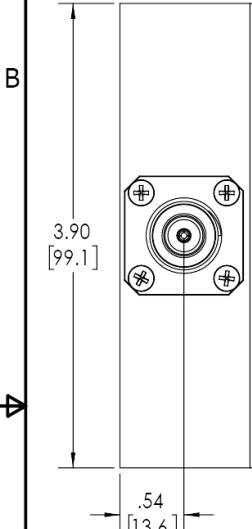
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		UNLESS OTHERWISE SPECIFIED	OWN	DATE			
		INTERPRET DRAWING AS MIL-STD-100 DRAWING AS MIL-STD-100 DRAWING AS MIL-STD-100	WD	8/1/2018			
		PARENTHETICAL DIM. FOR REFERENCE ONLY	CHK	DATE			
		DIMENSIONS ARE IN INCHES	GP	8/21/2018			
		DIMENSIONAL LIMITS APPLY BEFORE PROCESSES	TITLE				
		TRIMMING					
		3 RL ± .005 [±1.27]	ENGR	DATE			
		.250 ± .005 [±1.27]	JC	8/1/2018			
		REMOVE ALL BURRS AND SHARP EDGES R.01 MAX	MRGR	DATE			
		CONCENTRICITY MACHINED Ø.022 FIM	QA	DATE			
		MACHINE TOTAL MISMATCH .003 MAX	RELEASE	DATE			
		APPLICATION	SCALE	1:1			
		D11149-12	SIZE	CAGE C10E	DWG N1		
		NEXT ASSY USED ON	REV	A			
		THIRD ANGLE PROJECTION					

OUTLINE

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