
**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"

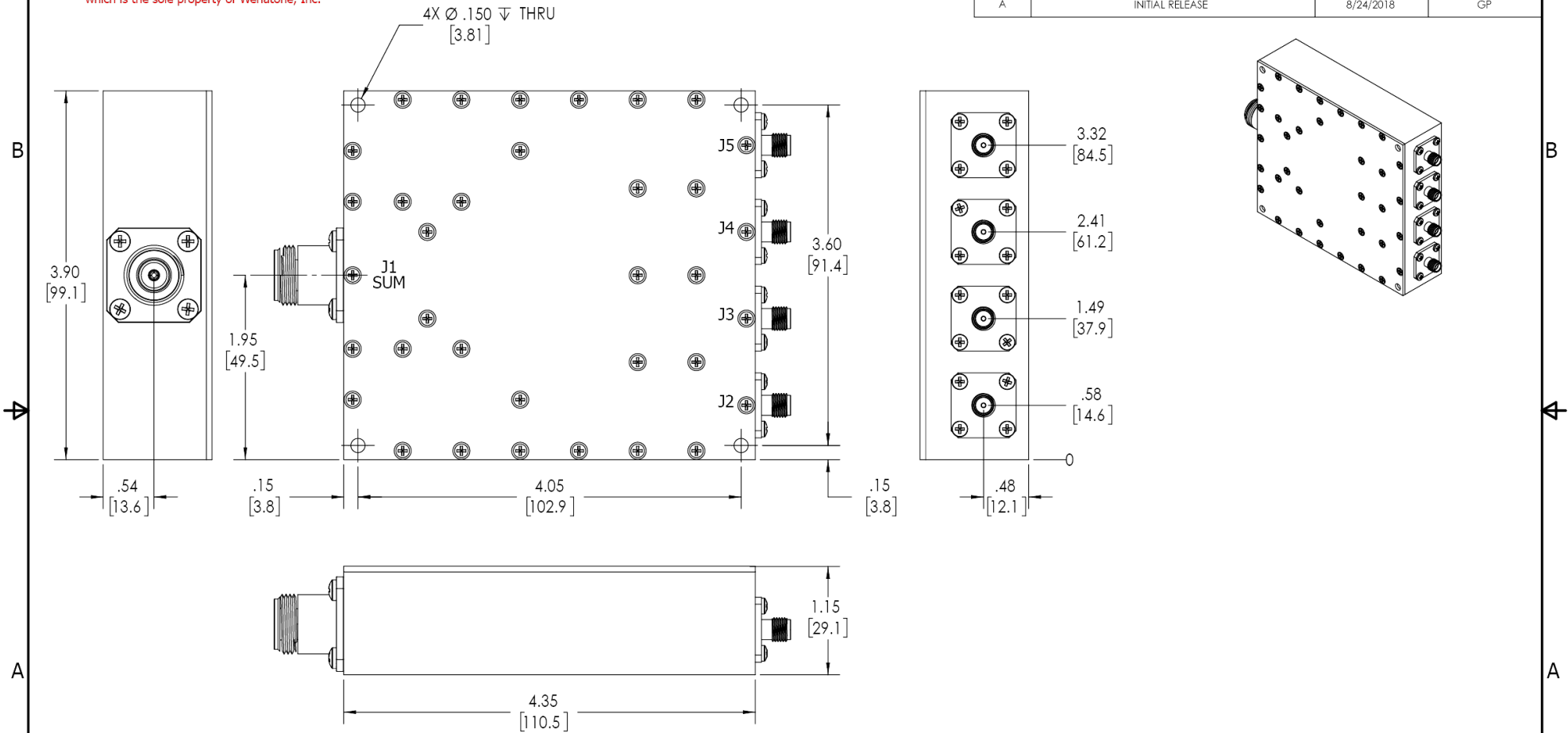
**Connector Configurations:**

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



UNLESS OTHERWISE SPECIFIED	OWN	DATE	17 Jon Barrett Rd Patterson, NY 12563
INTERPRET DRAWING IAW MIL-STD-100	WD	8/1/2018	W WERLATONE SINCE 1965
DIMENSIONS PER ASME Y14.5M-2009	CHK	DATE	
PARENTHETICAL INFO FOR REF ONLY	GP	8/21/2018	TITLE
DIMENSIONS ARE IN INCHES	ENGR	DATE	OUTLINE
DIMENSIONAL LIMITS APPLY BEFORE FINISHES	JC	8/1/2018	SIZE
TOLERANCES:	INFR	DATE	CAGE CODE
ANGLES = 2°	QA	DATE	DWG NO
3 PL ± .005 (.13)	RLSE	DATE	REV
2 PL ± .015 (.38)			B
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX			28812
CONCENTRICITY MACHINED DIA: .002 FIM			21532-500
MACHINE TOOL MISMATCH .003 DIA.			A
APPLICATION	THIRD ANGLE PROJECTION	SCALE	1:1
			SHEET 1 OF 1

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