
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"

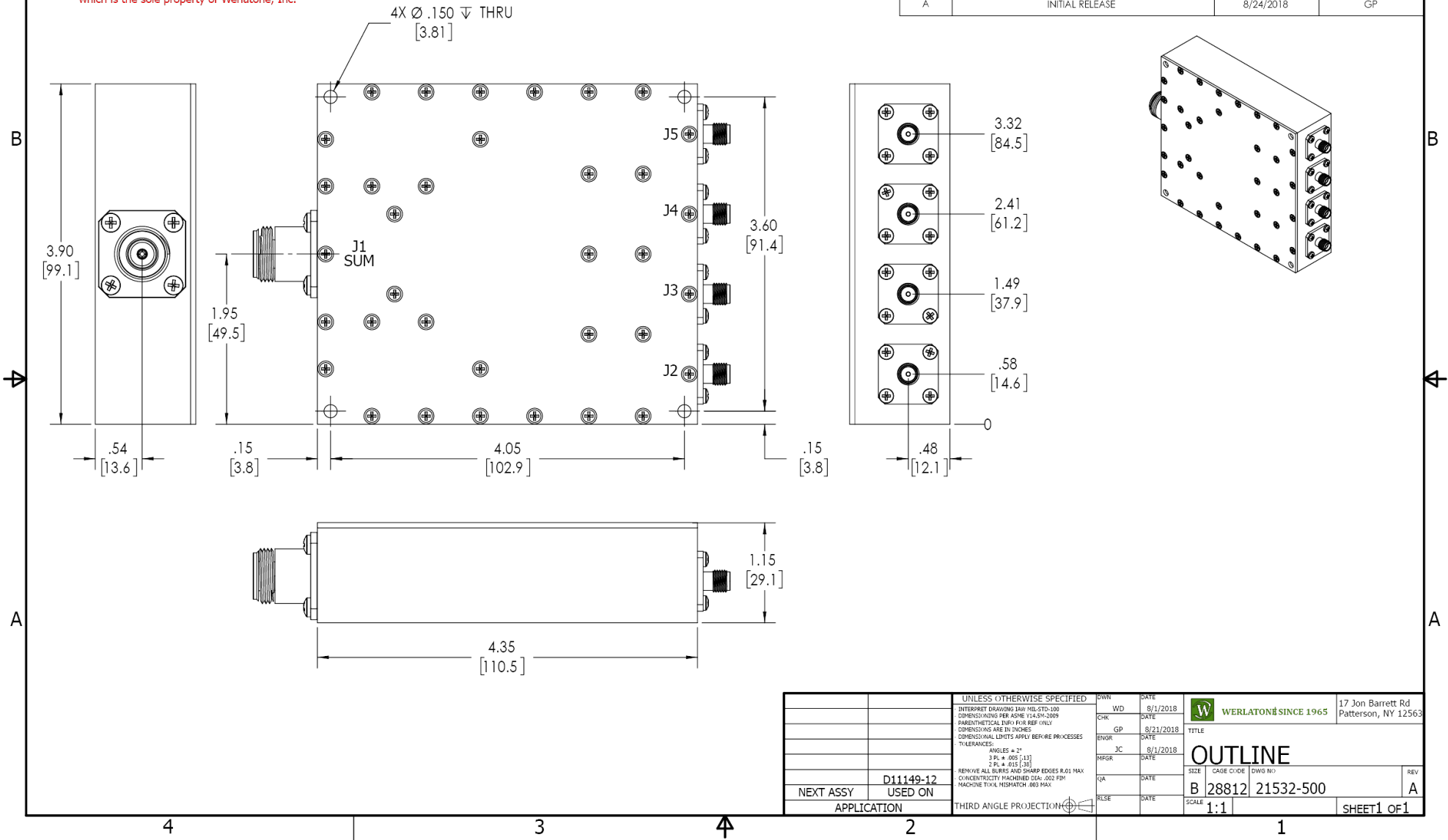
Connector Configurations:

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.

RESTRICTION ON USE, DUPLICATION OR DISCLOSURE OF PROPRIETARY INFORMATION
 This document contains proprietary information which is the sole property of Werlatone, Inc.

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	
PARENTHEetical 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 CAGE CODE DWG NO
TOLERANCES:	INFR	DATE	B 28812 21532-500
ANGLES = 2°	QA	DATE	REV
3 PL ± .005 (.13)	RLSE	DATE	A
2 PL ± .015 (.38)			
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX			
CONCENTRICITY MACHINED DIA: .002 FIM			
MACHINE TOOL MISMATCH .003 DIA.			
APPLICATION	THIRD ANGLE PROJECTION	SCALE	SHEET 1 OF 1
		1:1	

Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of Werlatone, Inc.
 Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com