

PRODUCT DATA SHEET

D6310

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:	2300 - 2400 MHz
Power:	200 W CW
Insertion Loss:	0.2 dB Max.
VSWR:	1.15:1 Max.
Phase Balance:	$\pm 5^\circ$ Max.
Amplitude Balance:	0.2 dB Max.
Isolation:	Non-Isolated

Mechanical Specifications:

Type:	Connectorized
Material:	Aluminum 6061-T6
Surface Finish:	Chem. Film Per MIL-DTL-5541F Type I Class 3 (Yellow Iridite) RoHS Compliant Available
Operating Temperature:	-55°C to +75°C
Storage Temperature:	-60°C to +85°C
Size:	4.25 x 5.0 x 0.93"

Connector Configurations:

Model	Sum Port (J17)	Input/Output (J1-J16)
D6310-10	N Female	N Female
D6310-102	SMA	SMA

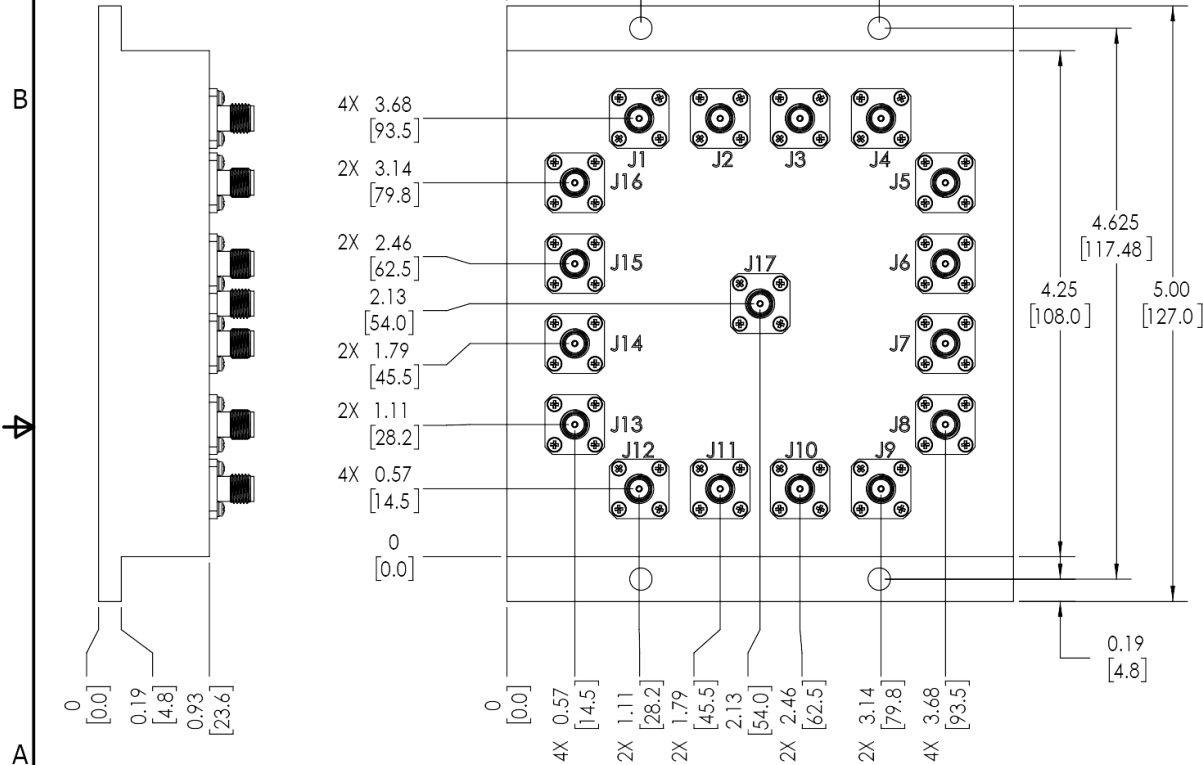
When specified, Werlatone® High Power Combiners and RF Dividers will tolerate full input failures on adjacent port(s). This insures that remaining transmitter(s) may continue to operate until the amplifier system can be properly shut down for maintenance. Choose your specific connector configuration 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	ECN 9696	10/21/2019	RB

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL: ALUMINUM 6061-T6**
- FINISH: CHEM FILM PER MIL-DTL-5541F TYPE I CLASS 3 (YELLOW IRIDITE)**
- CONNECTORS: SMA FEMALE**
J1-J4: -8.5dB
J5-J16: -14.5 dB
J17: INPUT



		UNLESS OTHERWISE SPECIFIED		OWN	DATE	 WERLATONE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563		
		INTERPRET DRAWING 1001 MIL-STD-100		SD	10/21/2019				
		DIMENSIONS PER ASME Y14.5M-2009		CHK	DATE				
		PARENTHESES FOR REF ONLY		CS	10/21/2019				
		DIMENSIONS ARE IN INCHES		ENGR	DATE	TITLE			
		DIMENSIONAL LIMITS APPLY BEFORE FINISHES				OUTLINE			
		TOLERANCES:		INPR	DATE				
		ANGLES ± 2°							
		3 PL ± .005 (.13)							
		2 PL ± .015 (.38)							
		REMOVE ALL BURRS AND SHARP EDGES R.01 MAX		QA	DATE	SIZE	CAGE CODE	DWG NO	REV
		CONCENTRICITY MACHINED DIA. .002 FIM							
		MACHINE TOOL MISMATCH .003 MAX		RLSE	DATE				
NEXT ASSY		USED ON				B		10629-500	A
APPLICATION		THIRD ANGLE PROJECTION				SCALE		1:1	SHEET 1 OF 1

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