

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

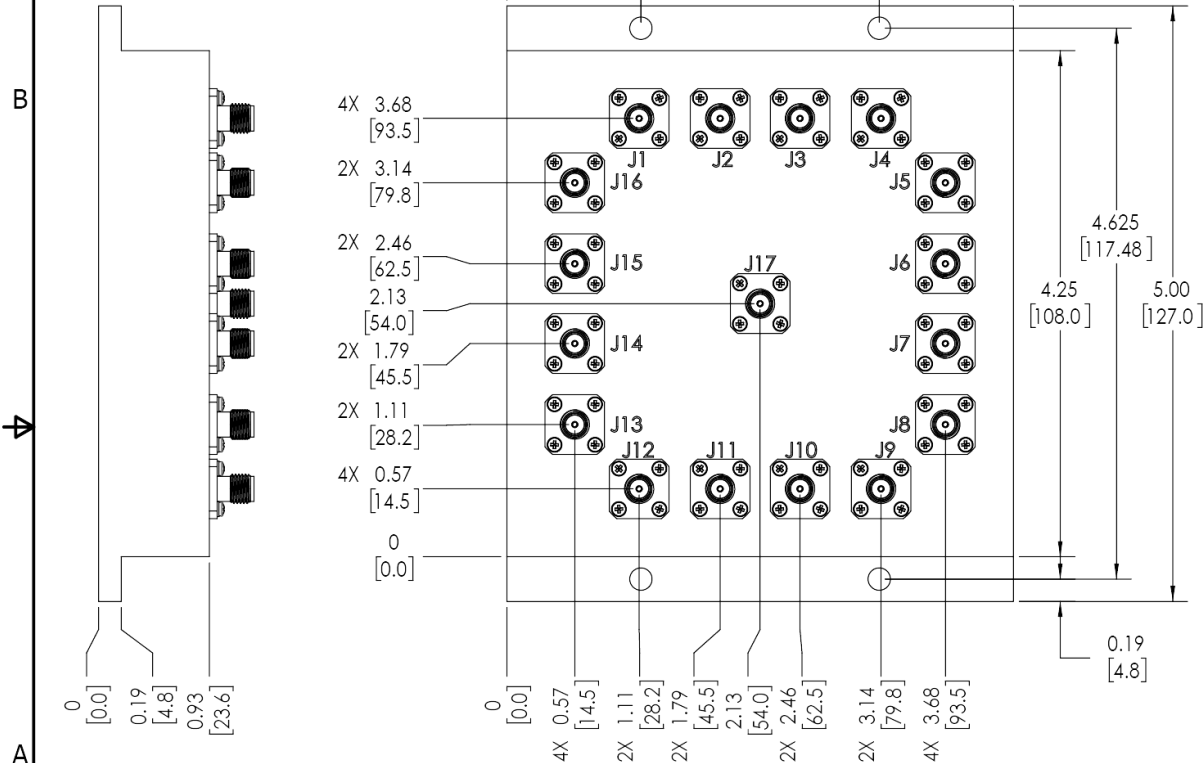
When specified, Werlatone® High Power Combiners and RF Dividers will tolerate full input failures on adjacent port(s). This insures that remaining transmitter(s) may continue to operate until the amplifier system can be properly shut down for maintenance. Choose your specific connector configuration 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	
DIMENSIONAL LIMITS APPLY BEFORE FINISHES		DATE		
TOLERANCES:		DATE		
ANGLES ± 2°		DATE		
3 PL ± .005 (.13)		DATE		
2 PL ± .015 (.38)		DATE		
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX		DATE		
CONCENTRICITY MACHINED DIA. .002 FIM		DATE		
MACHINE TOOL MISMATCH .003 FIM		DATE		
THIRD ANGLE PROJECTION		DATE		
NEXT ASSY	USED ON	DATE		
APPLICATION		DATE		
TITLE		DATE		
SIZE		DATE		
CAGE CODE		DATE		
DWG NO		DATE		
REV		DATE		
SCALE		DATE		
SHEET		DATE		

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