



D9931

PRODUCT DATA SHEET

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:	1200 - 1400 MHz
Power:	200 W CW
Insertion Loss:	0.4 dB Max.
VSWR:	1.20:1 Max.
Phase Balance:	<u>+</u> 3° Max.
Amplitude Balance:	0.2 dB Max.
Isolation:	Non-Isolated

Mechanical Specifications:

Туре:	
Material:	
Surface Finish:	

Operating Temperature: Storage Temperature: Size:

Connectorized Aluminum 6061-T6 Chem. Film Per MIL-DTL-5541F Type II Class 3 (Trivalent) RoHS Compliant Available -55°C to +75°C -60°C to +85°C 4.75 x 2.3 x 1.1"

Connector Configurations:

Model D9931-12

Sum Port (J1) N Female

Input/Output (J2-J9) **SMA** Female

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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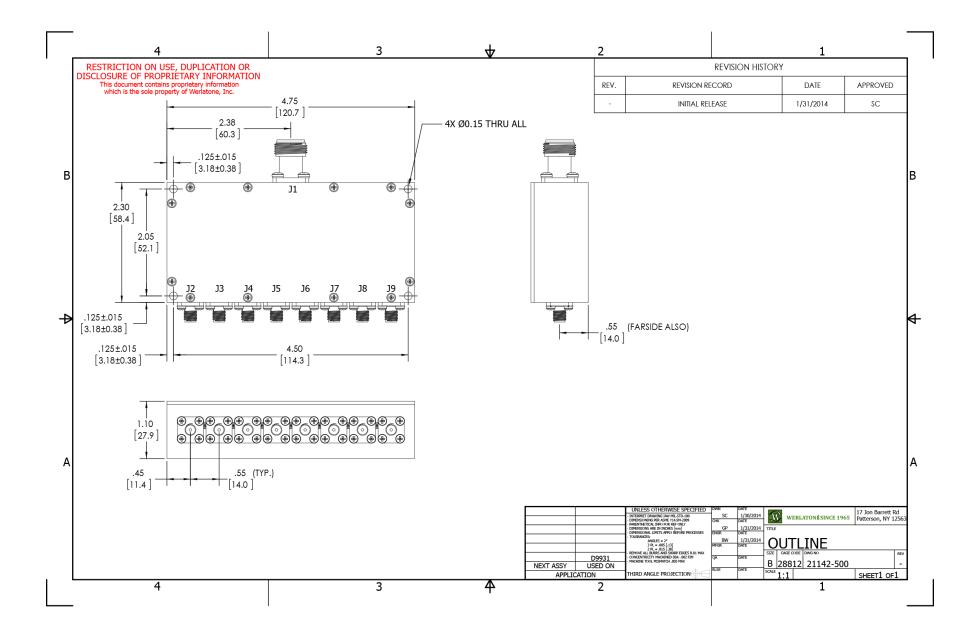
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Performance Data (Specifications subject to change without notice): VSWR: Insertion Loss: 1.40 0 1.30 0.2 1.20 0.4 0.6 1.10 1320 1200 1240 1280 1320 1360 1400 1200 1240 1280 1360 1400 Frequency (MHz) Frequency (MHz) Phase Balance: For In-Building Applications: 5 0 -5 1200 1240 1280 1320 1360 1400 Frequency (MHz)

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