



WERLATONE

Model D8110

Combiners In-Phase Connectorized



PRODUCT DATA SHEET

D8110

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

High Isolation

Custom Designs Available

Electrical Specifications:

Frequency: 20 - 130 MHz
 Power: 600 W CW
 Insertion Loss: 0.4 dB Max.
 VSWR: 1.25:1 Max.
 Phase Balance: $\pm 5^\circ$ Max.
 Amplitude Balance: 0.2 dB Max.
 Isolation: 20 dB Min.

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
 Weight: 2 lbs. 10 oz. (-630)
 Size: 6.0 x 4.5 x 2.0"

Connector Configurations:

Model	Sum Port (J5)	Input/Output (J1-J4)
D8110-10*	N Female	N Female
D8110-12*	N Female	SMA
D8110-13*	N Female	BNC
D8110-629	Rt Angle N Female	TNC Male
D8110-630	Rt Angle N Female	TNC Female

*Starred options are 6.0 x 5.0 x 2.0"**

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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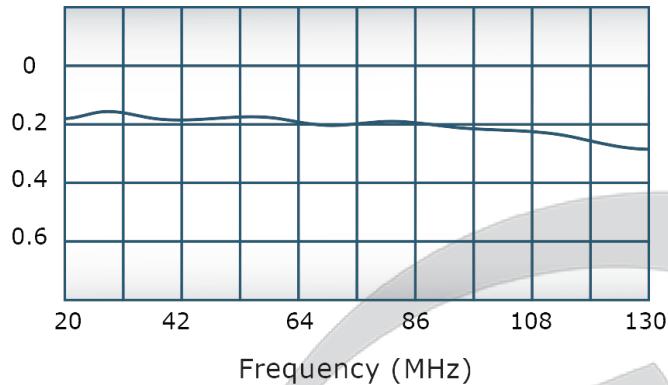


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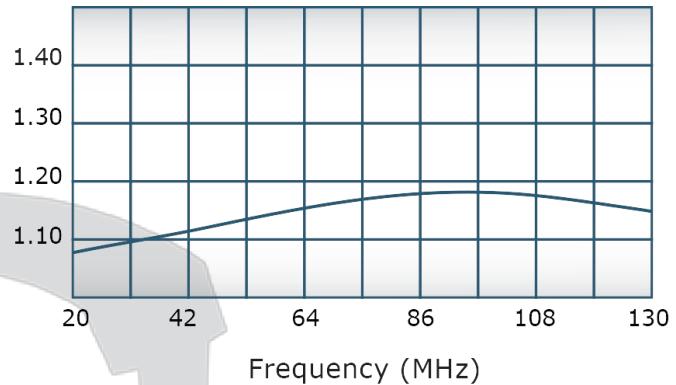
D8110

Performance Data (Specifications subject to change without notice):

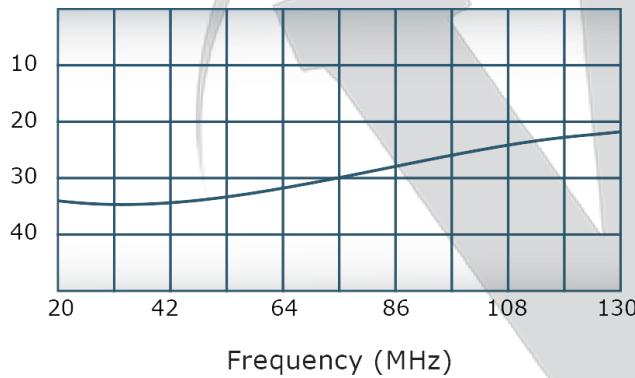
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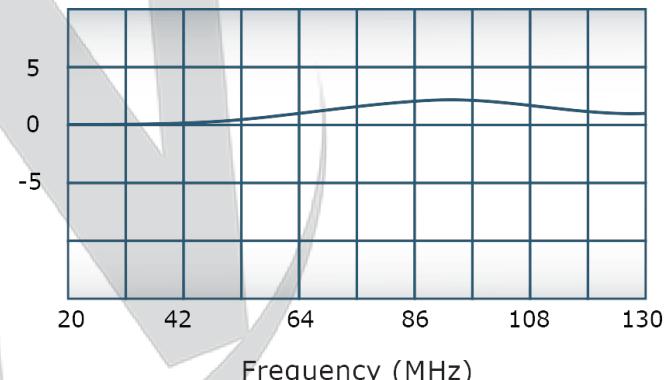
VSWR:



Isolation:



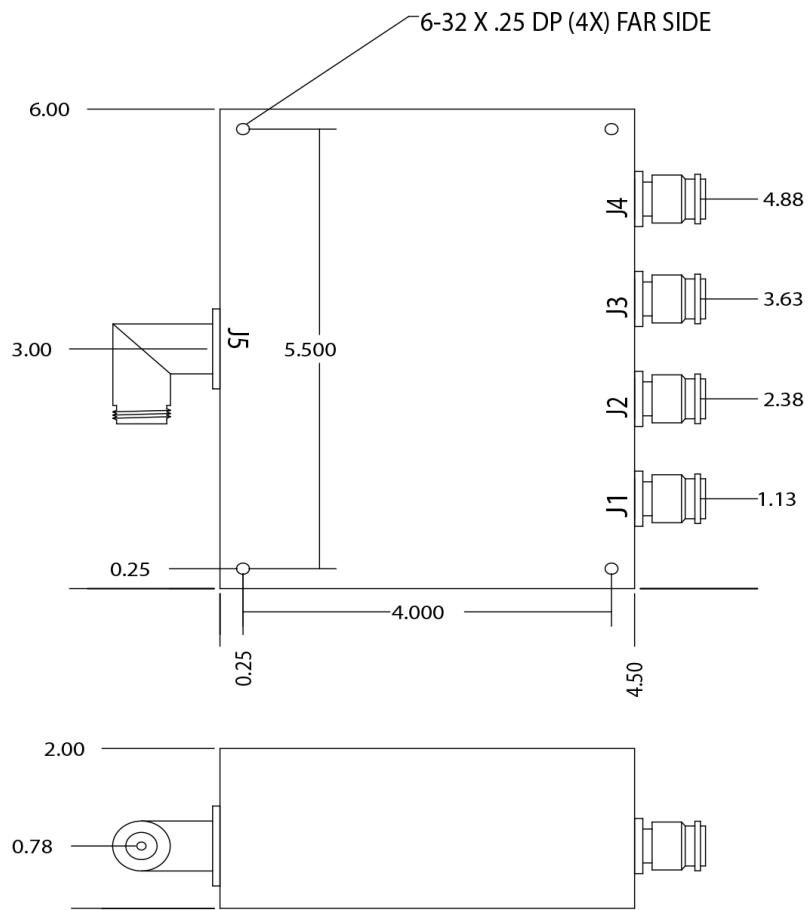
Phase Balance:



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