



H7814

PRODUCT DATA SHEET Werlatone

Begin High Power 180° RF Hybrid Combiners/Dividers balance traditional technologies with disruptive microwave techniques. The outcome is a microwave component which provides an order of magnitude improvement over current capabilities. Our newest line of high power, patented 180° RF Hybrid Combiners/Dividers provides an incredible 5:1 bandwidth, while exhibiting exceptionally low loss and superior port-to-port isolation. Features: High Power Wide Bandwidths Small Size **Excellent Amplitude Balance Electrical Specifications:** 20 - 512 MHz Frequency: Power: 50 W CW Insertion Loss: 0.8 dB Max. VSWR: 1.40:1 Max. Phase Balance: 180° <u>+</u> 5° Max. Amplitude Balance: \pm 0.4 dB Max. 25 dB Min. Isolation: Mechanical Specifications: Connectorized Type: 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 -60°C to +85°C Storage Temperature: 4.0 x 2.2 x 1.1" Size: **Connector Configurations:** 0°, 180° (J2,J3) Sum Port (J1) Model N Female H7814-10 N Female H7814-12 N Female SMA H7814-13 N Female BNC

> Werlatone's standard line of High Power 180° RF Hybrid Combiners/Dividers covers multiple octaves within a microwave device. Low frequency 180° Hybrid Combiner/Dividers employ proprietary ferrite transmission line techniques, similar to our 0° Combiners/Dividers. Insertion loss in both sum and difference ports is minimal, allowing the hybrid to handle high power over its frequency range. Custom requirements are welcome.

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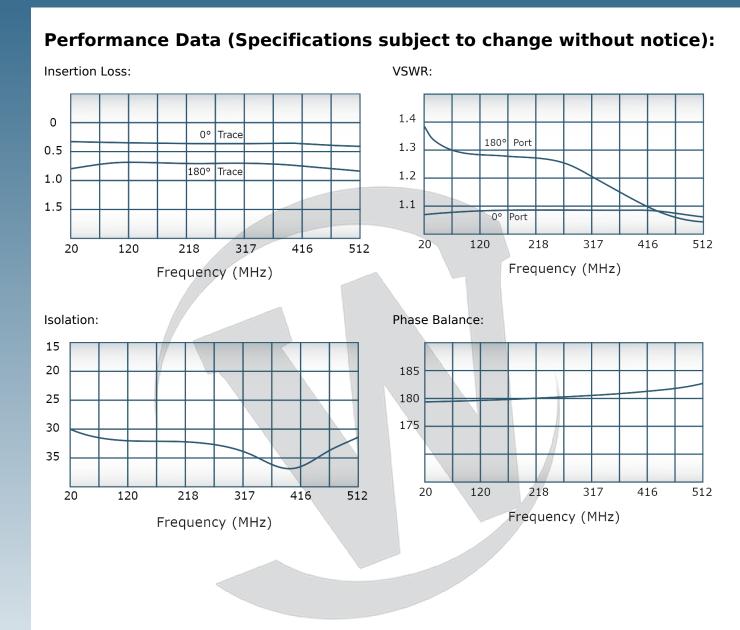
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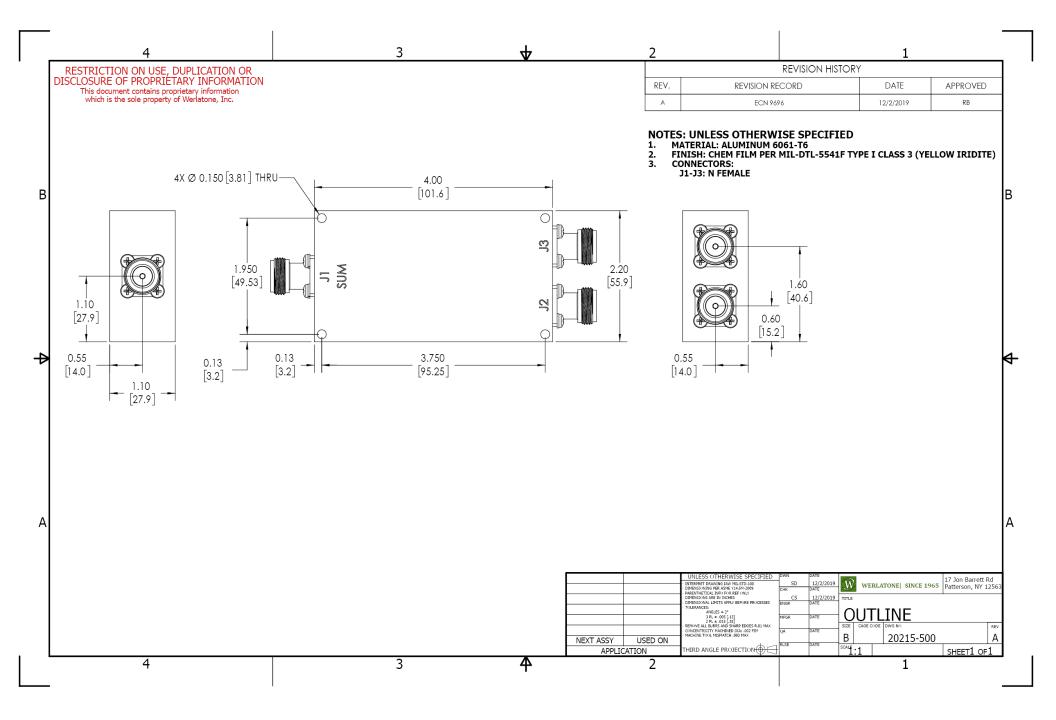
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H7814 Rev.-



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