



## **PRODUCT DATA SHEET** H2979 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:** 0.3 - 100 MHz Frequency: Power: 100 W CW 1.0 dB Max. Insertion Loss: VSWR: 1.50:1 Max. Phase Balance: 180° <u>+</u> 5° Max. Amplitude Balance: $\pm$ 0.3 dB Max. 20 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: Weight: 2 lbs. 5.0 x 3.0 x 2.25" Size: **Connector Configurations:** Sum Port (J4) Diff Port (J2) Inputs (J3,J4) Model H2979-10 N Female N Female N Female H2979-12 N Female SMA SMA N Female N Female H2979-13 BNC H2979-102 SMA SMA SMA

**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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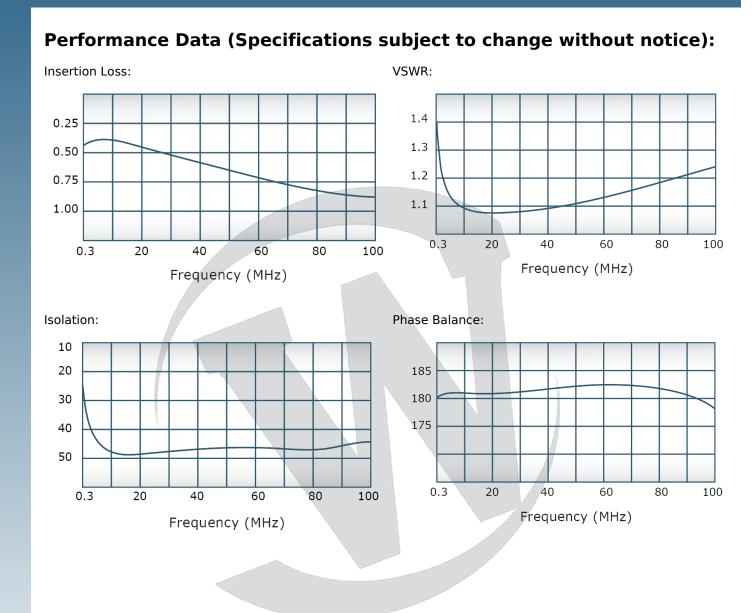
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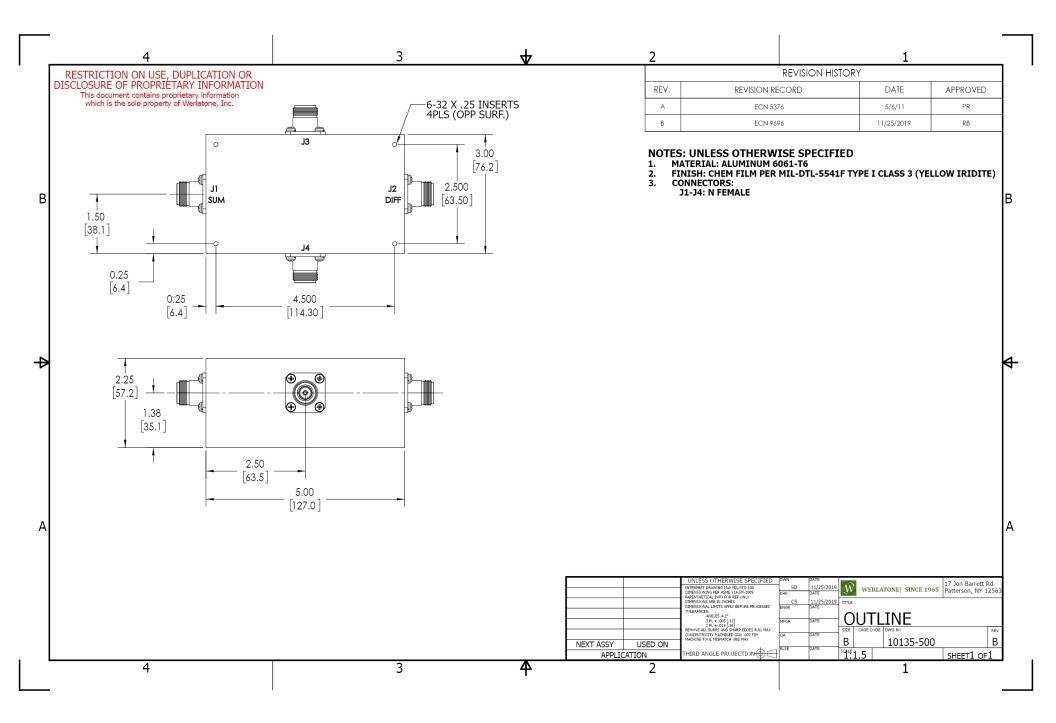
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H2979 Rev.-



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