



QH8105

## **PRODUCT DATA SHEET** Our patented 3 dB 90° Hybrid Couplers provide: • Superior component performance starting at 3:1 Bandwidth. • Thicker center boards for high power and increased repeatability. • Bonded structures which eliminate any air gaps between substrates. • More sections per bandwidth for better coupling flatness. • Electrically shorter and physically smaller RF components. Features: High Power Wide Bandwidths Small Size Excellent Amplitude Balance **Electrical Specifications:** 800 - 4200 MHz Frequency: Power: 150 W CW Insertion Loss 0.55 dB Max. VSWR: 1.35:1 Max. <u>+</u> 5° dB Max. Phase Balance: Amplitude Balance: + 0.5 dB Max. Isolation: 18 dB Min. Mechanical Specifications: Type: Surface Mount Plating Options: QH8105-Sn: Immersion Tin (RoHS) QH8105-Ag: Immersion Silver (RoHS) QH8105-Au: ENIG (RoHS) OH8105-Pb: ED Tin/Lead 1.5 x 1.08 x 0.09" Size: Weight: 5 grams **Port Configurations: J1** J2 J4 J3 Sum Port 90° Port 0° Port Isolated Port

**Werlatone's** breakthrough technology allows us to build our existing line of Broadband 3 dB High Power 90° Hybrid Couplers. Connectorized 3 dB 90° Hybrid Coupler models are available with a choice of connectors. Several of our existing High Power 3 dB 90° RF Couplers are three port designs, wherein the difference port is internally terminated with a high power termination. This eliminates the need for a customer supplied external load for each Hybrid Coupler.

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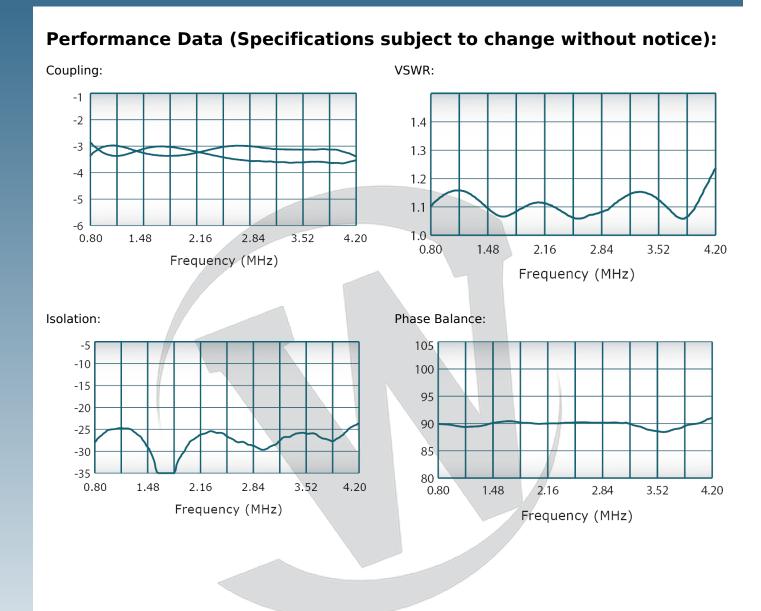
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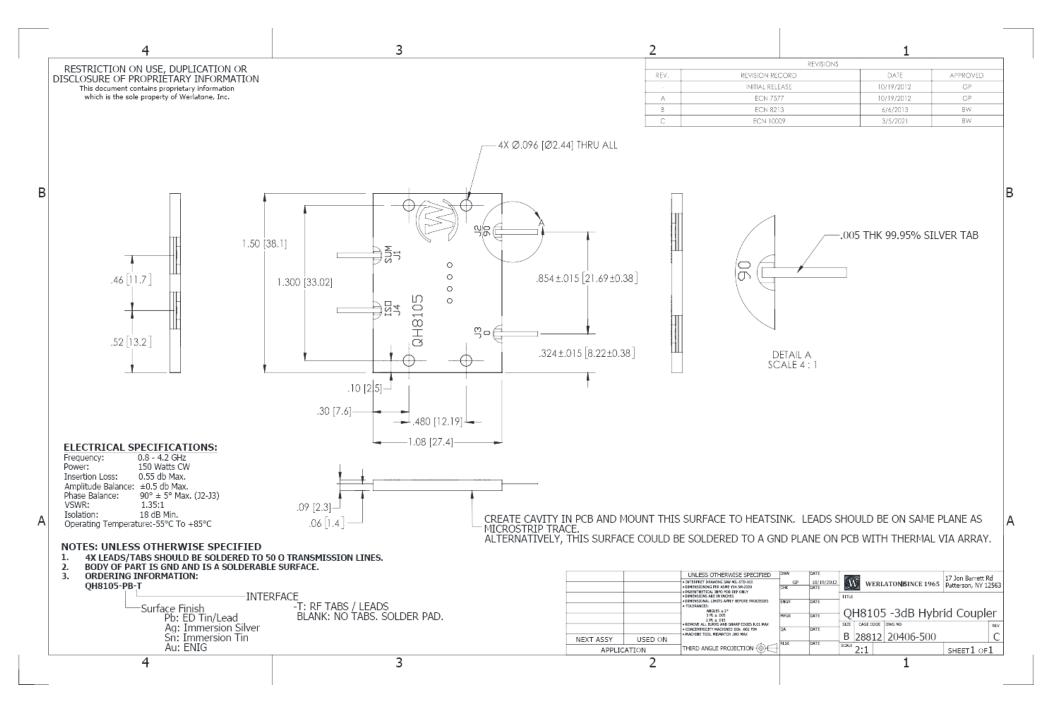
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QH8105 Rev.-



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