

Model QH9496 90° Hybrids Surface Mount (SMT) & Drop



PRODUCT DATA SHEET OH9496 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:** 200 - 500 MHz Frequency: Power: 200 W CW Insertion Loss 0.4 dB Max. VSWR: 1.25:1 Max. + 5° dB Max. Phase Balance: Amplitude Balance: + 0.4 dB Max. Isolation: 25 dB Min. Mechanical Specifications: Surface Mount Type: Plating Options: QH9496-Pb: Electrodeposited Tin/Lead QH9496-Sn: Immersion Tin (RoHS Compliant) QH9496-Ag: Immersion Silver (RoHS Compliant) OH9496-Au (ENIG) Size: 2.8 x 1.25 x 0.16" Port Configurations: Output Input **J1** J2 J4 J3 -3 dB, 0° -3 dB, -90° **J1** Isolated Isolated -3 dB, -90° -3 dB, 0° J2 J3 -3 dB. 0° -3 dB, -90° Isolated J4 -3 dB, -90° -3 dB, 0° Isolated

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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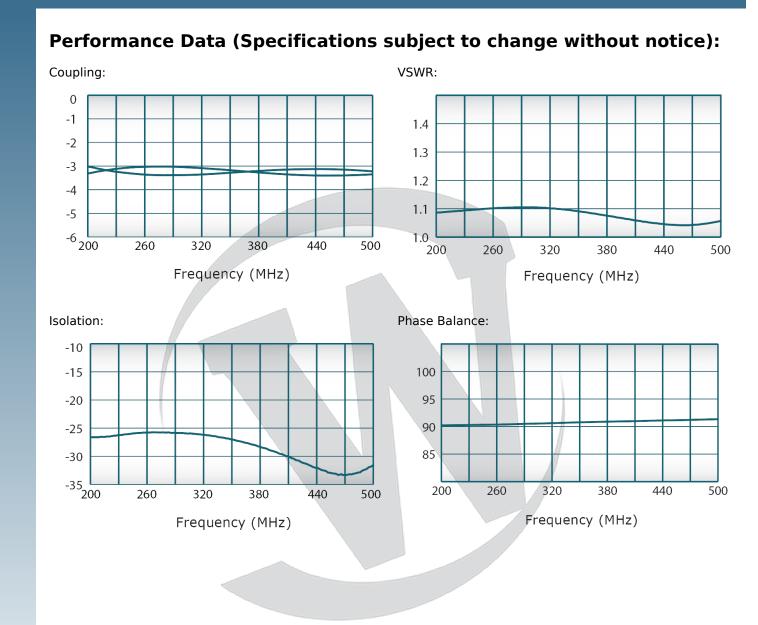
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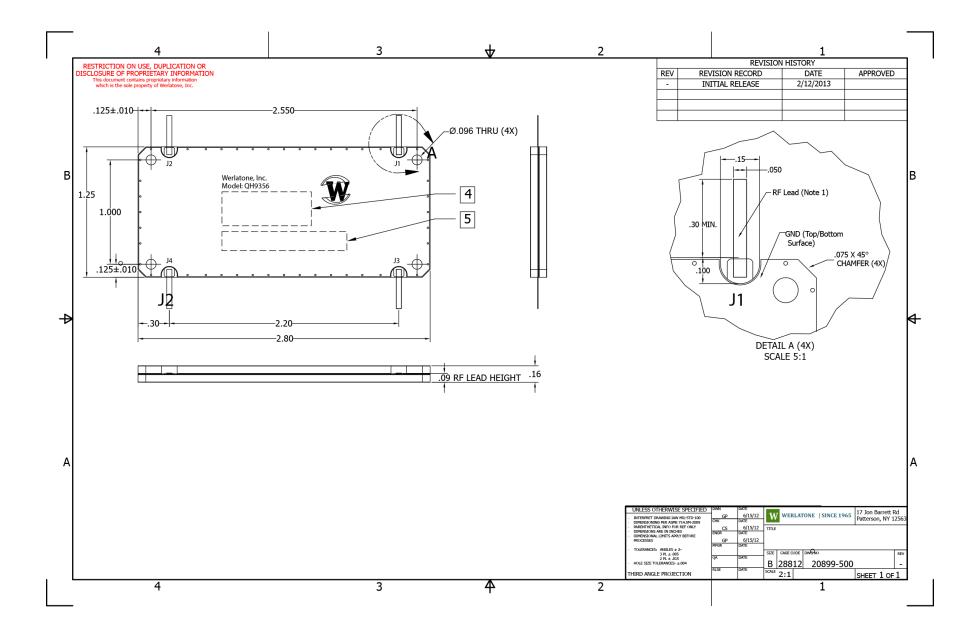
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QH9496 Rev.-



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