



PRODUCT DATA SHEET QH8859 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: Hiah Power Wide Bandwidths Small Size Connectorized Drop-In & Surface Mount **Electrical Specifications:** 80 - 1000 MHz Frequency: Power: 250 W CW Insertion Loss: 0.65 dB Max. VSWR: 1.40:1 Max. 90° <u>+</u> 6° Max. Phase Balance: Amplitude Balance: + 1.0 dB Max. Isolation: 16 dB Min. Mechanical Specifications: Connectorized Type: Aluminum 6061-T6 Material: Chem, Film Per MIL-DTL-5541F Type I Class Surface Finish: 3 (Yellow Iridite) RoHS Compliant Available -55°C to +75°C Operating Temperature: -60°C to +85°C Storage Temperature: 14.2 oz. Weight: Size: 3.5 x 3.2 x 1.06" **Connector Configurations:** Model Sum Port (J1) 0°, -90° (J2,J3) ISO Port (J4) QH8859-10 N Female N Female N Female N Female N Female QH8859-12 SMA OH8859-102 SMA SMA SMA QH8859-113 BNC BNC BNC

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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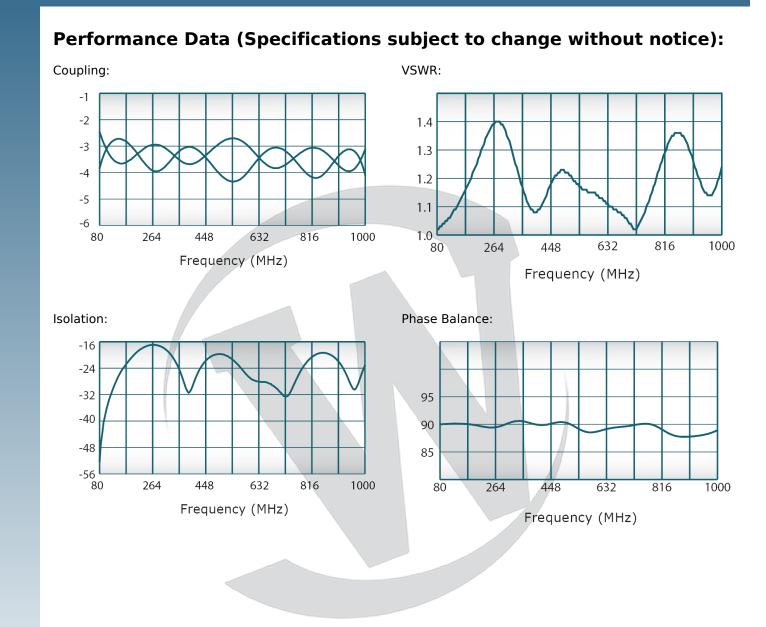
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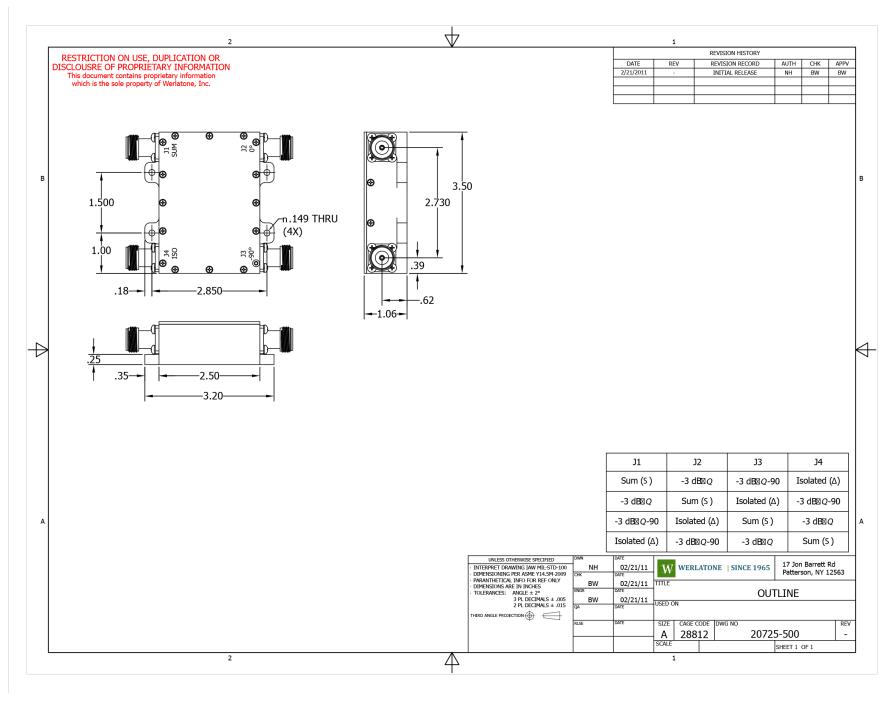
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