



## **PRODUCT DATA SHEET** C10299 4-Port Dual Directional Coupler employs two, 3-Port Uni-Directional Couplers, internally connected, in tandem, providing measurement of both forward and reverse power. Ideal for simultaneously monitoring a system's forward and reverse power and for reflectometer measurements. Unlike the Bi-Directional Coupler, the directivity of the Dual Directional Coupler is unaffected by the loads on the coupled ports. Features: High Power Wide Bandwidths Small Size Flat Coupling **Custom Designs Available Electrical Specifications:** Frequency: 2000 - 4000 MHz Power: 100 W CW Coupling: 50 ± 1.0 dB Max. Insertion Loss: 0.2 dB Max. Flatness: ± 0.75 dB Max. VSWR (ML): 1.30:1 Max. 15 dB Min. Directivity: Mechanical Specifications: Connectorized Type: Aluminum 6061-T6 Material: 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: Humidity: 95% Non-Condensing Size: 3.0 x 3.0 x 1.09" **Connector Configurations:** Output (J2) Fwd (J3) Rev (J4) Model Input (J1) C10299-10 N Female N Female N Female N Female C10299-12 N Female N Female SMA SMA C10299-13 N Female N Female BNC BNC C10299-16 N Male N Male SMA SMA C10299-102 SMA SMA SMA SMA C10299-302 TNC Female TNC Female SMA SMA C10299-712 N Male N Female SMA SMΔ N Male N Female C10299-714 N Female N Female

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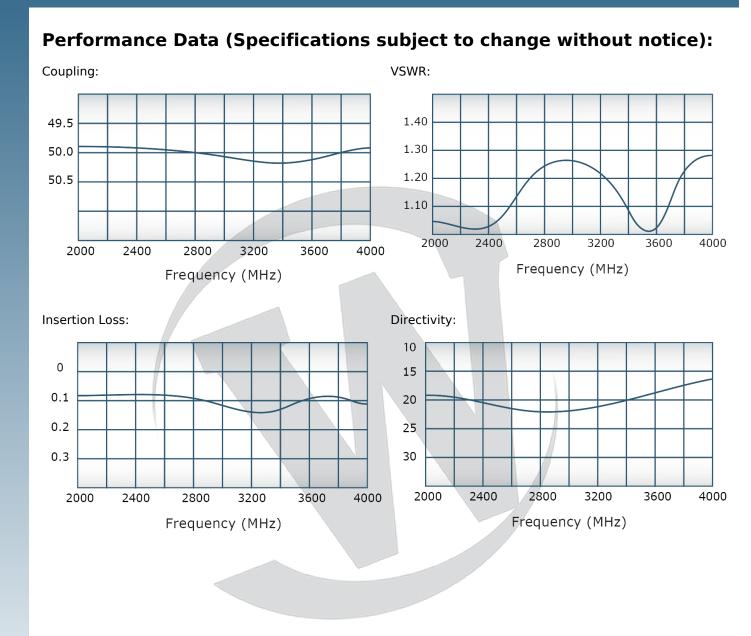
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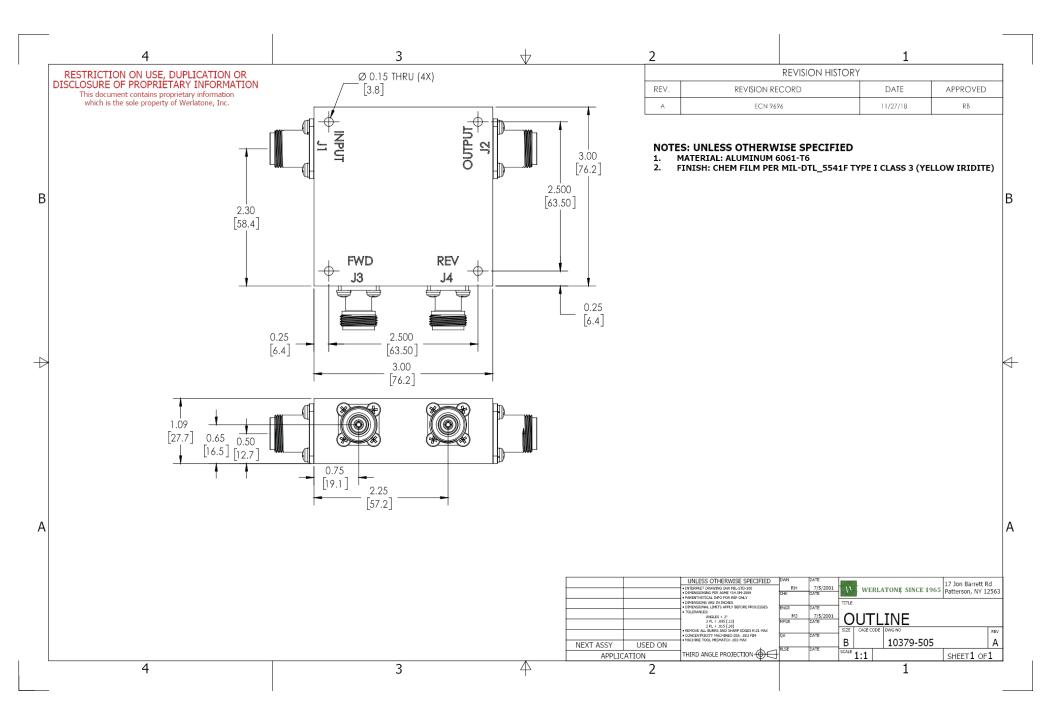
C10299



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C10299 Rev.-



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