



PRODUCT DATA SHEET C9018 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:** 2 - 32 MHz Frequency: Power: 50.000 W CW Coupling: $70 \pm 1.0 \, \text{dB}$ Max. 0.05 dB Max. Insertion Loss: Flatness: ± 0.5 dB Max. VSWR (ML): 1.05:1 Max. 30 dB Min. Directivity: 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: Humidity: 95% Non-Condensing Size: 6" Line Section **Connector Configurations:** Output (J2) Fwd (J3) Rev (J4) Model Input (J1) C9018-81 1 5/8'' EIA 1 5/8'' EIA N Female N Female C9018-83 1 5/8'' EIA 1 5/8'' EIA SMA SMA C9018-84 1 5/8" EIA 1 5/8" EIA BNC BNC

Werlatone[®] Broadband Dual, Uni, and Bi Directional RF Couplers are designed to tolerate the most stringent operating conditions associated with military and EMC testing environments. Many of our RF Directional Couplers, designated Mismatch Tolerant[®], will operate continuously, at rated power, into a severe load mismatch condition. Our multi-octave Directional Couplers maintain exceptional coupling flatness, directivity, VSWR, and insertion loss.

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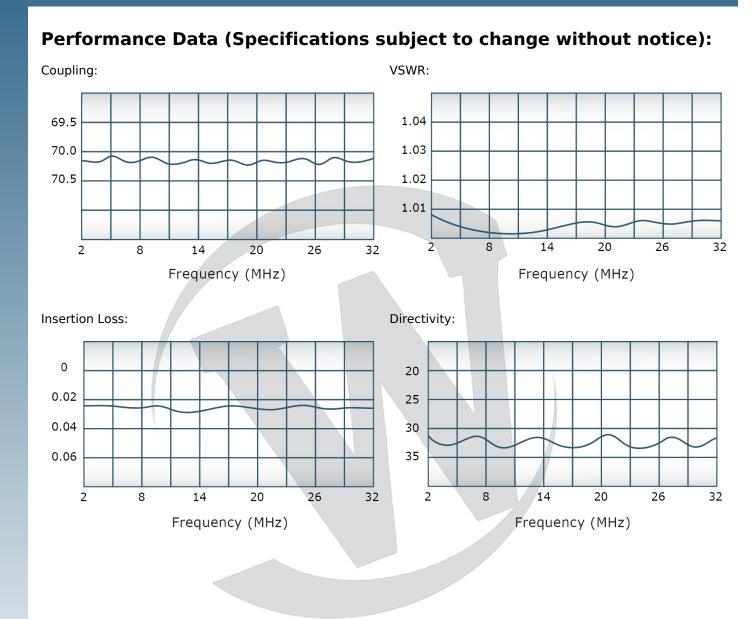
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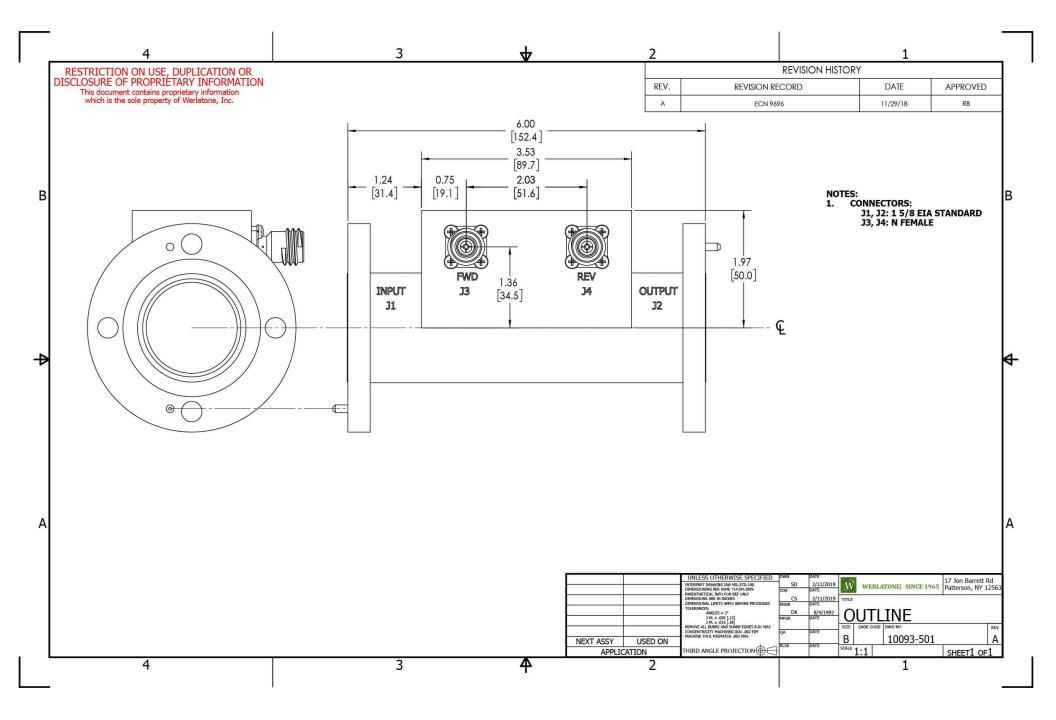
C9018



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C9018 Rev.-



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C9018 Rev.-