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: 0.01 - 250 MHz
- Power: 3500 W CW
- Coupling: 50 ± 1.0 dB Max.
- Insertion Loss: 0.2 dB Max.
- Flatness: ± 1.0 dB Max.
- VSWR (ML): 1.15:1 Max.
- Directivity: 20 dB Min.

Mechanical Specifications:
- Type: Connectorized
- 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
- Storage Temperature: -60°C to +85°C
- Humidity: 95% Non-Condensing
- Size: 10.0 x 3.0 x 2.0"

Connector Configurations:
<table>
<thead>
<tr>
<th>Model</th>
<th>Input (J1)</th>
<th>Output (J2)</th>
<th>Fwd (J3)</th>
<th>Rev (J4)</th>
</tr>
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<tbody>
<tr>
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<td>SMA</td>
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<td>BNC</td>
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</tbody>
</table>
Performance Data (Specifications subject to change without notice):

**Coupling:**

- VSWR:
  - Frequency (MHz): 0.01 to 250
  - VSWR: 1.10 to 1.40

- Insertion Loss:
  - Frequency (MHz): 0.01 to 250
  - Insertion Loss: 0 to 0.3

- Directivity:
  - Frequency (MHz): 0.01 to 250
  - Directivity: 0 to 35