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.

**Electrical Specifications:**
- **Frequency:** 80 - 1000 MHz
- **Power:** 500 W CW
- **Coupling:** 40 ± 1.0 dB Max.
- **Insertion Loss:** 0.2 dB Max.
- **Flatness:** ± 0.3 dB Max.
- **VSWR (ML):** 1.10:1 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:** 3.0 x 3.0 x 1.09"

**Connector Configurations:**

<table>
<thead>
<tr>
<th>Model</th>
<th>Input (J1)</th>
<th>Output (J2)</th>
<th>Fwd (J3)</th>
<th>Rev (J4)</th>
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<td>BNC</td>
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<td>7/16 Female</td>
<td>N Female</td>
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</table>

(7/16-F Main Line connector option increases size to 3.0 x 3.0 x 1.59")
Performance Data (Specifications subject to change without notice):

**Coupling:**

- VSWR:
  - Frequency (MHz): 80, 264, 448, 632, 816, 1000
  - VSWR Values: 1.10, 1.20, 1.30, 1.40

**Insertion Loss:**

- Frequency (MHz): 80, 264, 448, 632, 816, 1000
- Insertion Loss Values: 0, 0.1, 0.2, 0.3

**Directivity:**

- Frequency (MHz): 80, 264, 448, 632, 816, 1000
- Directivity Values: 15, 20, 25, 30, 35