Microlab Duplexer, BL-28 series allows combination and separation of the Tx and Rx signals in a duplexed 2600 MHz LTE band signal.

Units provide high isolation, and low insertion loss. Attention to mechanical design, ensures low loss, and high reliability. (04/13).

**$ Saver Product Line**

- Combines or Splits Tx and Rx Signals for 2600 MHz LTE systems
- High Isolation, Low Insertion Loss
- Up to 50W CW Power
- High reliability
- RoHS Compliant
- N connectors

<table>
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<tr>
<th>Model/Connector</th>
<th>N (f)</th>
<th>7-16 (f)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2600 MHz Cavity Duplexer</td>
<td>BL-28N</td>
<td>*BL-28D</td>
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</tbody>
</table>

*7-16 model in development

**Model/Connector**

- **Tx Passband:** 2620 - 2690 MHz (Tx Port)
- **Rx Passband:** 2500 - 2570 MHz (Rx Port)
- **Bandwidth, Tx and Rx:** 70 MHz
- **Insertion Loss:** 1.0 dB max
- **Passband Ripple:** 0.7 dB max
- **Input Isolation:** >65dB (between Tx/Rx bands)
- **Return Loss, all ports:** 20 dB min.
- **Power Rating:** 50W CW avg./input
- **Impedance:** 50Ω nominal
- **Environment:** -20°C to +75°C, Indoor
- **Finish: Connectors:** Triplated
- **Housing Finish:** Black Epoxy Painted aluminum
- **Weight, nom:** 2.5 lb., 1.1 kg

**Similar Product**

**Rx Path Simulation Data**

**Tx Path Simulation Data**

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Microlab, A Wireless Telecom Group Company, 25 Eastmans Road, Parsippany, NJ 07054
Tel: (973) 386-9696 • sales@microlab.fxr.com • www.microlab.fxr.com • Fax: (973) 386-9191
All dimensions in mm nominal