Microlab Duplexer, BL-26 series allows combination and separation of the Tx and Rx signals in a duplexed 700 MHz US Public Safety band signal.

Units provide high isolation, and low insertion loss. Attention to mechanical design, ensures low loss, and high reliability.

700 MHz Public Safety Duplexer

**Model/Connector**

<table>
<thead>
<tr>
<th>N (f)</th>
<th>7-16 (f)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BL-26N</td>
<td>*BL-26D</td>
</tr>
</tbody>
</table>

*7-16 model in development

**700 MHz Public Safety Duplexer, BL-26**

- Combines or splits Tx and Rx signals for US Public Safety Systems
- <-160 dBC specified PIM
- High isolation, Low insertion loss
- Up to 60W CW Power
- High reliability
- RoHS Compliant
- N connectors

**Specifications**

- **Tx Path**
  - Simulation Data
  - Markers: 762, 775, 793 MHz
  - Bandwidth: 12 MHz
  - Insertion Loss: 1.0 dB max
  - Passband Ripple: 0.8 dB max
  - Input Isolation: >65 dB (between Tx/Rx bands)
  - Return Loss, all ports: 18 dB min.
  - PIM (Intermod): <-160 dBc (measured in Rx Block using two +43 dBm tones in corresponding Tx Block)
  - Power Rating: 60W CW avg./input
  - Impedance: 50Ω nominal
  - Environment: -20°C to +70°C, Indoor
  - Finish: Connectors: Triplated
  - Housing Finish: Black Epoxy Painted aluminum
  - Weight, nom: 3 lb., 1.4 kg

- **Rx Path**
  - Simulation Data
  - Markers: 762, 775, 793 MHz
  - Bandwidth: 12 MHz
  - Insertion Loss: 1.0 dB max
  - Passband Ripple: 0.8 dB max
  - Input Isolation: >65 dB (between Tx/Rx bands)
  - Return Loss, all ports: 18 dB min.
  - PIM (Intermod): <-160 dBc (measured in Rx Block using two +43 dBm tones in corresponding Tx Block)
  - Power Rating: 60W CW avg./input
  - Impedance: 50Ω nominal
  - Environment: -20°C to +70°C, Indoor
  - Finish: Connectors: Triplated
  - Housing Finish: Black Epoxy Painted aluminum
  - Weight, nom: 3 lb., 1.4 kg

Note: Specifications are subject to change without prior notification.

18APR2016
All dimensions in mm nominal