$ Saver Product Line

- Combines or Splits Tx and Rx Signals for US 850 Systems
- High Isolation
- Low Insertion Loss
- Up to 20W power
- High reliability
- RoHS Compliant

<table>
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<th>Model/Connector</th>
<th>N (f)</th>
<th>7-16 (f)</th>
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<td>Duplexer for 850 MHz Systems</td>
<td>BL-11N</td>
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Microlab Duplexer, BL-11 series allows combination and separation of the Tx and Rx signals in a duplex 850 MHz signal.

Units provide high isolation, and low insertion loss. Attention to mechanical design, ensures low loss, and high reliability. (07/13).

850 Rx Passband: 824 - 851 MHz (Rx Port)
850 Tx Passband: 869 - 896 MHz (Tx Port)
Bandwidth, Tx and Rx: 27 MHz
Insertion Loss: 1.0 dB max
Passband Ripple: 0.8 dB max
Input Isolation: >65dB (between Tx/Rx bands)
Return Loss, all ports: 18 dB min.
Power Rating: 20W avg./input
Impedance: 50Ω nominal
Environment: -30°C to +80°C, IP64
Finish: Connectors: N (f) or 7-16 (f) triplated
Housing Finish: Black epoxy painted aluminum
Weight, nom: 3.2 lb., 1.5 kg

Tx Path Simulation Data

Rx Path Simulation Data
BL-11D Outline

All dimensions in mm nominal
BL-11N Outline

All dimensions in mm nominal