Microlab BK-68 series LTE-2600 Injector is a filter diplexer, to simplify the addition of LTE-2600 signals and/or WiFi-2400 to a common path with other wireless.

The inputs are well isolated and have minimal insertion loss over their respective frequency bands. The Diplexer has been designed using passive, proprietary pretuned techniques to ensure minimal loss and high reliability, with very low Passive Intermodulation (PIM).

Corner holes are provided for simple mounting to a surface or cable tray. Similar Injector units are available for other WiFi, WiMAX and LTE bands as well as other connectors as may be required.

For use in outdoor environments add the suffix ‘P’ to Model No. (e.g. BK-12NP).

- Combinates LTE-2600 with all other wireless bands down to 80 MHz
- Models for Outdoor Environments
- Low Passive IM., PIM
- 50 dB Input Isolation
- 60W Average LTE Power
- Minimal RF Insertion Loss
- Rugged, High Reliability RoHS

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Connectors (female)</th>
<th>Weight. nom. lb (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BK-68D</td>
<td>7-16 mm</td>
<td>2.0 (0.87)</td>
</tr>
<tr>
<td>BK-68N</td>
<td>N</td>
<td>1.8 (0.78)</td>
</tr>
</tbody>
</table>

Add ‘P’ to Model Number for Outdoor Use

<table>
<thead>
<tr>
<th>Pass Band MHz</th>
<th>*DC Path to J3 Spec. typ.</th>
<th>Power Rating Avg., peak</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input J2 80 - 2170</td>
<td>2A max &lt;0.5 dB &lt;0.3 dB</td>
<td>200W max, 3kW</td>
</tr>
<tr>
<td>Input J1 2,400 - 2,690</td>
<td>Isolated &lt;0.5 dB &lt;0.3 dB</td>
<td>60W max, 3kW</td>
</tr>
</tbody>
</table>
*DC path: DC to 20 MHz

Input Isolation: >50 dB
Input Return Loss: >18 dB
Peak Power Rating: 3 kW peak
Impedance: 50Ω nominal
Intermod. (PIM): <-153 dBc
2 x +43dBm tones
Environment: -35 to +65°C
Housing Finish:
  Indoor/IP64: Standard model
  Outdoor/IP67: Painted Add P to Model No.
Connectors: Triplate

Note: Specifications are subject to change without prior notification.

22JUN2016