Microlab Model BK-37D is a Triplexer which allows combination and separation of the signals in the LTE band 698-793 MHz, the 824-894 MHz cellular band and the PCS/AWS band, 1710-2170 MHz. To minimize band inter-reaction, the inputs are well isolated and have minimal insertion loss over their respective frequency bands.

The Triplexer has been designed for minimal loss and very high reliability at input powers up to 100W per input. (03/15)

<table>
<thead>
<tr>
<th>Low Band</th>
<th>Mid Band</th>
<th>High Band</th>
</tr>
</thead>
<tbody>
<tr>
<td>698 - 793</td>
<td>824 - 894</td>
<td>1710 - 2170</td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>0.2 &lt;0.35</td>
<td>0.25 &lt;0.4</td>
</tr>
<tr>
<td>Input Isolation</td>
<td>0.25 &gt;50</td>
<td>0.4 &gt;50</td>
</tr>
</tbody>
</table>

- **Power Rating**: 100W/input avg., 2 kW pk
- **Impedance**: 50Ω nominal
- **Passband Ripple**: <0.3 dB
- **Return Loss**: >17 dB, all ports
- **PIM (Intermod)**: <-153 dBc (+43dBm x2) when measured in band
  <-160 dBc typical
- **Environment**: -25°C to +55°C, indoor
- **Finish**: Connectors: 7-16 DIN(f) Triplate
  Housing: RoHS coated aluminum and Silver plating
- **Weight, nominal**: 5.7 lbs (2.6 kg)

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
BK-37D Outline