Microlab BK-55D is a Diplexer which allows combination and separation of the LTE-800 and GSM-900 signals, to minimize band inter-reaction, the inputs are well isolated and have minimal insertion loss over their respective frequency bands.

The Diplexer has been designed using passive, proprietary techniques which minimizes cost and size. At the same time it ensures minimal loss and very high reliability at input powers up to 250W per input.

DC pass through connections are included in the design.

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Microlab BK-55D

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Connectors</th>
<th>Input Power Avg.</th>
<th>Weight, nom. lb. (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BK-55D</td>
<td>7-16 (f)</td>
<td>250W</td>
<td>13.2 (6.0)</td>
</tr>
</tbody>
</table>

Frequency Bands:
- **LTE-800** Port 1 - 3: 790-862 MHz
- **GSM-900** Port 2 - 3: 890-960 MHz

- P1:P2 Isolation: >50 dB in band, P3 terminated
- Return Loss: >19 dB, all ports
- Passband Loss: <0.3 dB
- Intermod. Distortion: <-155 dBc (tested with 2 +43dBm tones)
- DC Path: all paths
- Surge Protection: 3kA using 10/350µs pulse
- Impedance: 50Ω nominal
- Environment: -40°C to +65°C, IP68
- Finish: Connectors: 7-16 (f) long neck triplate, Housing: Grey Paint Coating
- Mounting Kit: Included for pole diameter 2.75 - 4.35 in., 70 - 110 mm

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Note: Specifications are subject to change without prior notification.

22JUN2016