45 dB Input Isolation
High Power Design
Minimal RF Insertion Loss
Rugged, High Reliability
Low Passive IM., PIM
Low Cost, RoHS compliant Design
7-16 & 4.3-10 connectors

The BK-92 Quadraplexer has been designed using passive, proprietary techniques to ensure minimal loss and very high reliability. It allows efficient combining or division of the standard cellular bands for use in a coaxial distributed in-building cellular network or DAS. A simple bracket and tapped holes are provided for simple mounting to a surface or cable tray.

- Input Return Loss: >19 dB
- DC/AISG Paths: All By-Pass, 2.5A max.
- Impedance: 50Ω nominal
- Intermod. (PIM): -161 dBc (IM3 with 2 x +43dBm)
- Environment: -40° - +60°C, IP66
- Housing: Passivated Aluminum
- Weight, nom: 8.5 lbs (3.8 kg)

<table>
<thead>
<tr>
<th>Model/Connector</th>
<th>Frequency Band, MHz</th>
<th>Port</th>
<th>Insertion Loss to J5, dB</th>
<th>Max Input Power*</th>
<th>Input Isolation, dB min†</th>
</tr>
</thead>
<tbody>
<tr>
<td>BK-92D</td>
<td>380 - 960</td>
<td>1</td>
<td>&lt;0.2</td>
<td>700W</td>
<td>x 50 (45) 50 (45) 50 (45)</td>
</tr>
<tr>
<td></td>
<td>1710 - 1880</td>
<td>2</td>
<td>&lt;0.3</td>
<td>300W</td>
<td>50 (45) x 50 50</td>
</tr>
<tr>
<td></td>
<td>1920 - 2200</td>
<td>3</td>
<td>&lt;0.3</td>
<td>300W</td>
<td>50 (45) 50 x 50</td>
</tr>
<tr>
<td></td>
<td>2500 - 2690</td>
<td>4</td>
<td>&lt;0.2</td>
<td>200W</td>
<td>50 (45) 50 50 x</td>
</tr>
</tbody>
</table>

*Lightning Protection 3kA, 10/350 us pulse
†>600 MHz (<600MHz)

Note: Specifications are subject to change without prior notification.
BK-92D Outline

Dimension in mm [in]