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Quadraplexer, BK-98 series  
Multi Band Combiner  
790-862/880-960/1710-2170/2500-2690 MHz  
Rev. B

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

The BK-98 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 cellular network or distributed antenna system (DAS.)

A simple bracket and tapped holes are provided for simple mounting to a flat surface or pole.

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Connectors Female</th>
<th>Weight. nom lb (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BK-98D</td>
<td>7/16 DIN</td>
<td>8.5 (3.8)</td>
</tr>
<tr>
<td>BK-98E</td>
<td>4.3-10</td>
<td>8.5 (3.8)</td>
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</tbody>
</table>

Frequency
- Port 1: 790-862 MHz
- Port 2: 880-960 MHz
- Port 3: 1710-2170 MHz
- Port 4: 2500-2690 MHz

Power/Port: 250 W max.

Insertion Loss: 0.3 dB max.

Isolation: 50 dB min. with Port 5 Termination

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)

Surge Protection: 3kA using 10/350µs pulse

Environment: -40° - +65°C, IP68

Housing: Painted Passivated Aluminum

Note: Specifications are subject to change without prior notification.

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BK-98D Outline:

M6 x 1.0 Ground Screw

Measurements in mm (in)