Preliminary Specification

- Combines bands for co-located BTS or In-building Systems
- High Input Isolation and Power
- Selectable DC/AISG Paths
- Low Passive IM., PIM
- Conforms to AISG and RoHS
- Single or Dual Wall/Mast Mounting, IP-67

Model BK-31D series is a cavity Triplexer which allows combination or separation of signals in the GSM bands 900 & 1800 and UMTS wireless bands. Attention to mechanical design, ensures low loss, low passive intermodulation and high reliability. DC by-pass/AISG configurations to either or both of the GSM-1800 and UMTS are available to order. (04/15)

<table>
<thead>
<tr>
<th>DC/AISG Path Models</th>
<th>Common (P1) to Pass Band Group Power</th>
<th>Insertion Loss/Isolation: Common (Port 1) to Pass Band Group Power</th>
<th>Group Delay</th>
<th>Power Rating</th>
<th>Passive Intermod. PIM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model No.</td>
<td>GSM-900 (P2)</td>
<td>GSM-1800 (P3)</td>
<td>GSM-2100 (P4)</td>
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<tr>
<td>BK-31D</td>
<td>DC Path</td>
<td>DC Path</td>
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<td>BK-31DD</td>
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<td>None</td>
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</tbody>
</table>

Units also available with Double Wall/Pole Mounting Kit

Return Loss, all ports: 18 dB min.
AISG/DC Continuity*: 2.5A max (to AISG & 3GPP)
Environment: IP67, -10°C to +60°C
Surge Protection: 10 kA using 8/20μs pulse
Finish: Connectors: 7-16 (f) long neck triplated
Housing: Passivated aluminum/Paint
Weight, single, nom: 9.5 lbs., 4.3 kg with bracket

*applicable to Models with DC/AISG path selected

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