High-Power Waveguide Junction Circulators

FEATURES:
- Low Cost, High Quality
- Compact Size
- High Performance
- Wide Operation Temperature Range
- Common Wireless Communication
  Frequency Bands in 0.5-40 GHz range

APPLICATIONS:
- Load isolation
- Receiver input VSWR
- Transmitter output VSWR

DESCRIPTION:
Cernex CWC series narrow band high power circulators cover the common wireless communication band in the frequency range of 0.5-40 GHz.

SPECIFICATIONS:

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Frequency Range (GHz)</th>
<th>Band Width (MHz)</th>
<th>Insert Loss (dB Max)</th>
<th>Isolation (dB Min)</th>
<th>VSWR (Max)</th>
<th>Operating Temp. Range (°C)</th>
<th>Power PK (KW)</th>
<th>Power AVG (W)</th>
<th>Size L (mm)</th>
<th>Flange Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>CWC08100420J</td>
<td>8.80-10.00</td>
<td>600</td>
<td>0.4</td>
<td>20</td>
<td>1.20</td>
<td>-10→+70</td>
<td>150</td>
<td>150</td>
<td>54</td>
<td>FB-100</td>
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<tr>
<td>CWC09090221G</td>
<td>9.4-9.8</td>
<td>full</td>
<td>0.25</td>
<td>21</td>
<td>1.20</td>
<td>-10→+70</td>
<td>150</td>
<td>150</td>
<td>60</td>
<td>WR90</td>
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<tr>
<td>*CWC14170422J</td>
<td>14.00-17.00</td>
<td>1000</td>
<td>0.4</td>
<td>22</td>
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<td>90</td>
<td>90</td>
<td>42</td>
<td>FB-140</td>
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<td>*CWC26400420J</td>
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<td>-10→+70</td>
<td>10</td>
<td>10</td>
<td>20</td>
<td>FB-320</td>
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</table>

OTHER FREQUENCIES ARE ALSO AVAILABLE.
*THE SPECIFICATIONS FOR THESE MODELS ARE ONLY FOR THE SPECIFIED FREQUENCY BW.
**HOW TO ORDER:**
Specify Model Number CWC - LF HF IL IS – XX  To be specified by the factory

- Low End Frequency
- High End Frequency
- Isolation
- Insertion Loss

**Example:** To order a 0.5-40 GHz isolator with 0.3 dB maximum insertion loss and 20 dB minimum isolation and, specify CWC-0102320-XX.

CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE