**Features**
- Low Insertion Loss
- High Attenuation
- Compact Size
- SMA Connectors

**Descriptions**
SMA connector mount cavity bandpass filter developed for C band applications.

**Electrical Specifications**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Unit</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center Frequency</td>
<td>MHz</td>
<td>5825</td>
</tr>
<tr>
<td>Passband Frequency Range</td>
<td>MHz</td>
<td>5775 ~ 5875</td>
</tr>
<tr>
<td>Passband Insertion Loss</td>
<td>dB</td>
<td>2.0 max</td>
</tr>
<tr>
<td>Passband Flatness</td>
<td>dB</td>
<td>0.5 max</td>
</tr>
<tr>
<td>Passband Group Delay</td>
<td>ns</td>
<td>7.0 max</td>
</tr>
<tr>
<td>Return Loss in Passband</td>
<td>dB</td>
<td>15 min</td>
</tr>
<tr>
<td>Attenuation</td>
<td>dB</td>
<td>70 min @ 5250 MHz</td>
</tr>
<tr>
<td>Power Handling</td>
<td>Watt</td>
<td>1 (CW) max</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>°C</td>
<td>-40 ~ +85</td>
</tr>
<tr>
<td>Dimensions</td>
<td>inch</td>
<td>1.81 x 0.66 x 0.40(L x W x H)</td>
</tr>
<tr>
<td>Connectors (Input/Output)</td>
<td>-</td>
<td>SMA female</td>
</tr>
</tbody>
</table>

**Mechanical Drawing**

![Mechanical Drawing Image]
Simulation Data

![Graph showing frequency response of BCC5825-100A cavity bandpass filter](image-url)