High Frequency Ceramic Solutions

1810 MHz Band Pass Filter

P/N 1810BP07B200

Detail Specification: 4/4/2019

1810 MHz Band Pass Filter

In mm

<table>
<thead>
<tr>
<th>Bottom View</th>
<th>Side-End View</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>W</td>
</tr>
<tr>
<td>0.039 ± 0.002</td>
<td>0.020 ± 0.002</td>
</tr>
<tr>
<td>1.00 ± 0.05</td>
<td>0.50 ± 0.05</td>
</tr>
</tbody>
</table>

Mounting Considerations

Mount these devices with brown mark facing up.

*Line width should be designed to provide 50 ohm impedance, depending on PCB material and thickness.

Want the layout file of the above? Send us a message at: https://www.johansontechnology.com/ask-a-question

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Electrical Characteristics (T=25°C)

<table>
<thead>
<tr>
<th>S(2,2)</th>
<th>S(1,1)</th>
<th>dB</th>
<th>S(2,1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.01</td>
<td>1.5</td>
<td>-20</td>
<td>-30</td>
</tr>
<tr>
<td>2.0</td>
<td>2.5</td>
<td>-30</td>
<td>-40</td>
</tr>
<tr>
<td>3.0</td>
<td>3.5</td>
<td>-40</td>
<td>-50</td>
</tr>
<tr>
<td>4.0</td>
<td></td>
<td>-50</td>
<td></td>
</tr>
</tbody>
</table>

freq, GHz
### Packaging information

https://www.johansontechnology.com/tape-reel-packaging

### Soldering Information

https://www.johansontechnology.com/ipcsoldering-profile

### RoHS Compliance

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### MSL Info

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### To Download Measured S-parameters for Evaluation and Simulation:

https://www.johansontechnology.com/band-pass-filters

### For layout review contact our Applications Team at:

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