2450 MHz Band Pass Filter
P/N 2450BP15H0100
Detail Specification: 12/09/16
Page 1 of 3

General Specifications

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Frequency (MHz)</th>
<th>Insertion Loss</th>
<th>Impedance</th>
<th>Operating Temperature</th>
<th>Recommended Storage Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>2450BP15H0100</td>
<td>2400 - 2500</td>
<td>1.5 max.@ 25°C, 1.8 max.@ -40~85°C</td>
<td>50 Ω</td>
<td>-40 to +85°C</td>
<td>+5 ~ +35°C, Humidity: 45~75%RH, 18 mos. Max</td>
</tr>
</tbody>
</table>

Part Number Explanation

- **P/N Suffix**
- **Packing Style**
- **Suffix = S**
- **Suffix = E**
- **Suffix = /Pb**
- **Suffix = None**
- **T & R**
- **100% Tin**
- **Suffix = None**

Termination style

- **Tin / Lead**
- **Suffix = /Pb**
- **eg. 2450BP15H0100E**
- **eg. 2450BP15H0100SSuffix = S**
- **eg. 2450BP15H0100(E or S)**
- **eg. 2450BP15H0100(E or S)/Pb**

Mechanical Dimensions

<table>
<thead>
<tr>
<th>L</th>
<th>mm</th>
<th>W</th>
<th>mm</th>
<th>T</th>
<th>mm</th>
<th>a</th>
<th>mm</th>
<th>b</th>
<th>mm</th>
<th>c</th>
<th>mm</th>
<th>d</th>
<th>mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.079 ± 0.006</td>
<td>2.00 ± 0.15</td>
<td>0.049 ± 0.004</td>
<td>1.25 ± 0.10</td>
<td>0.022 ± 0.004</td>
<td>0.55 ± 0.10</td>
<td>0.051 ± 0.006</td>
<td>1.30 ± 0.15</td>
<td>0.012 ± 0.006</td>
<td>0.30 ± 0.15</td>
<td>0.010 + 0.006</td>
<td>0.25 + 0.15</td>
<td>0.014 + 0.006</td>
<td>0.35 + 0.15</td>
</tr>
</tbody>
</table>

Terminal Configuration

<table>
<thead>
<tr>
<th>No.</th>
<th>Function</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GND</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>OUT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>GND</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>IN</td>
<td></td>
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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

Units: mm

Typical Electrical Performance (T=25°C)
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**More Band Pass Filters**

www.johansontechnology.com/band-pass-filters

**Packaging information**


**Soldering Information**

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