967/1795 MHz Diplexer

Part Number | Frequency (MHz) | Attenuation Low Band | Attenuation High Band | Return Loss
---|---|---|---|---
0967DP18A1795_ | 954 - 980 | 0.75 dB max. | 20 dB min. | 12 dB min.
1710 - 1880 | 20 dB min. | 0.55 dB max. | 12 dB min.

Input Power | Impedance | Operating Temperature Range | Reel Qty
---|---|---|---
3 Watts max | 50 Ω | -40 to +85°C | 3000

Mechanical Dimensions

<table>
<thead>
<tr>
<th>L (inches)</th>
<th>W (inches)</th>
<th>T (inches)</th>
<th>a (inches)</th>
<th>b (inches)</th>
<th>c (inches)</th>
<th>g (inches)</th>
<th>p (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.126 ± .006</td>
<td>0.094 ± .006</td>
<td>0.034 ± .004</td>
<td>0.022 ± .006</td>
<td>0.014 ± .006</td>
<td>0.002 ± .004/0.008</td>
<td>0.016 ± .006</td>
<td>0.039 ± .004</td>
</tr>
<tr>
<td>mm</td>
<td>3.2 ± 0.15</td>
<td>1.6 ± 0.15</td>
<td>0.85 ± 0.1</td>
<td>0.55 ± 0.15</td>
<td>0.35 ± 0.15</td>
<td>0.3±0.1/-0.2</td>
<td>0.4 ± 0.15</td>
</tr>
</tbody>
</table>

Terminal Configuration

<table>
<thead>
<tr>
<th>No.</th>
<th>Function</th>
<th>No.</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Low Band Port (P2)</td>
<td>4</td>
<td>GND</td>
</tr>
<tr>
<td>2</td>
<td>GND</td>
<td>5</td>
<td>Common Port (P3)</td>
</tr>
<tr>
<td>3</td>
<td>High Band Port (P1)</td>
<td>6</td>
<td>GND</td>
</tr>
</tbody>
</table>

Mounting Considerations

Mount these devices with brown colored side facing up. Line width should be designed to provide 50Ω impedance matching characteristics.

Johanson Technology, Inc. reserves the right to make design changes without notice. All sales are subject to Johanson Technology, Inc. terms and conditions.
967/1795 MHz Diplexer

Detail Specification

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S32(dB)  S31(dB)

S33(dB)  S11(dB)  S22 (dB)

Frequency GHz

dB

Frequency GHz

dB

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