SAW Filter 119.64MHz

Part No: MP02129

Model: TB0777A

REV NO.: 1

A. MAXIMUM RATING:
1. Input Power Level: 10 dBm
2. DC voltage : 3 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency, Fc</td>
<td>MHz</td>
<td>-</td>
<td>119.64</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Minimum Insertion Loss, IL</td>
<td>dB</td>
<td>-</td>
<td>4</td>
<td>5.5</td>
<td>-</td>
</tr>
<tr>
<td>3 dB bandwidth (from Fc)</td>
<td>KHz</td>
<td>5</td>
<td>55</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Group delay ripple in Fc±2.5KHz, GD</td>
<td>μs</td>
<td>-</td>
<td>5</td>
<td>10</td>
<td>-</td>
</tr>
<tr>
<td>Attenuation:(Ref level from min IL)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fc - 2.5 to Fc + 2.5 KHz</td>
<td>dB</td>
<td>-</td>
<td>1.2</td>
<td>3.0</td>
<td>-</td>
</tr>
<tr>
<td>Fc ± 80 to Fc ± 120 KHz</td>
<td>dB</td>
<td>13</td>
<td>23</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Fc ± 120 to Fc ± 240 KHz</td>
<td>dB</td>
<td>43</td>
<td>50</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Fc ± 240 to Fc ± 330 KHz</td>
<td>dB</td>
<td>45</td>
<td>55</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Fc ± 330 to Fc ± 480 KHz</td>
<td>dB</td>
<td>45</td>
<td>55</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Fc ± 480 to Fc ± 660 KHz</td>
<td>dB</td>
<td>45</td>
<td>55</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Temperature coefficient of frequency TCf</td>
<td></td>
<td></td>
<td></td>
<td>-0.033 ppm/C²</td>
<td></td>
</tr>
</tbody>
</table>

Source impedance: 50Ω // 416.2Ω // -4.65pF

Load impedance: 50Ω // 416.2Ω // -4.65pF
SAW Filter 119.64MHz
Part No: MP02129

C. OUTLINE DRAWING:

Pin configuration
#9  Input
#4  Output
#10 Balance input or input ground
#5  Balance output or output ground
#1,2,3,6,7,8  To be grounded

Unit  mm

D. MEASUREMENT CIRCUIT:
50 Ohm Test circuit 1 ( single-ended / single-ended )

50 Ohm Test circuit 2 ( balance / balance )
SAW Filter 119.64MHz
Part No: MP02129

Model: TB0777A

REV NO.: 1

E. FREQUENCY CHARACTERISTICS:

[Diagram showing frequency characteristics of the SAW Filter 119.64MHz model TB0777A.]
SAW Filter 119.64MHz
Part No: MP02129

F. PACKING:
1. REEL DIMENSION

2. TAPE DIMENSION
G. RECOMMENDED REFLOW PROFILE:

![Graph showing recommended reflow profile]