SAW Filter 702.0MHz  
Model: TA1049A  
Part No: MP03755  
Rev No: 2

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: 0°C to +50°C
4. Storage Temperature: -30°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>
</tr>
</thead>
<tbody>
<tr>
<td>Center Frequency Fc</td>
<td>MHz</td>
<td>-</td>
<td>702</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss at Center Frequency IL c</td>
<td>dB</td>
<td>-</td>
<td>1.6</td>
<td>2.2</td>
</tr>
<tr>
<td>Insertion Loss (692 ~ 712MHz)</td>
<td>dB</td>
<td>-</td>
<td>2.2</td>
<td>4</td>
</tr>
<tr>
<td>Amplitude Ripple (692 ~ 712MHz)</td>
<td>dB</td>
<td>-</td>
<td>0.6</td>
<td>2</td>
</tr>
<tr>
<td>Bandwidth @ -2dB</td>
<td>MHz</td>
<td>20</td>
<td>30</td>
<td>-</td>
</tr>
<tr>
<td>VSWR at Center Frequency</td>
<td>-</td>
<td>-</td>
<td>1.4</td>
<td>2</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0dB)</td>
<td>dB</td>
<td>50</td>
<td>63</td>
<td>-</td>
</tr>
<tr>
<td>DC ~ 608MHz</td>
<td>dB</td>
<td>30</td>
<td>65</td>
<td>-</td>
</tr>
<tr>
<td>608 ~ 614MHz</td>
<td>dB</td>
<td>30</td>
<td>72</td>
<td>-</td>
</tr>
<tr>
<td>790 ~ 796MHz</td>
<td>dB</td>
<td>40</td>
<td>55</td>
<td>-</td>
</tr>
<tr>
<td>1310 ~ 1498MHz</td>
<td>dB</td>
<td>35</td>
<td>39</td>
<td>-</td>
</tr>
<tr>
<td>2012 ~ 2200MHz</td>
<td>dB</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

[Diagram of measurement circuit]

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TA1049A v2
D. OUTLINE DRAWING:

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:

![Frequency Characteristics Graph]

1. Start 722 MHz
2. Stop 792 MHz
3. Stop 892 MHz
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Reflection Functions

S11

S22
G. PACKING:

1. Reel Dimension

2. Tape Dimension
H. RECOMMENDED REFLOW PROFILE:

![Graph showing recommended reflow profile for SAW Filter 702.0MHz Model: TA1049A Part No: MP03755 Rev No: 2.](image)