SAW Filter 503.0MHz

Part No: MP08122

Model: TA1908A

Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 5dBm
2. DC voltage: 5V
3. Operating Temperature: -20°C to +70°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>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency Fc</td>
<td>MHz</td>
<td>-</td>
<td>503</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss (500 ~ 506MHz) IL</td>
<td>dB</td>
<td>-</td>
<td>2.9</td>
<td>4.7</td>
</tr>
<tr>
<td>Amplitude Ripple (500 ~ 506MHz)</td>
<td>dB</td>
<td>-</td>
<td>0.4</td>
<td>2.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Attenuation (Reference level from 0dB)</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>400 ~ 434MHz</td>
<td>dB</td>
<td>39</td>
<td>56</td>
<td>-</td>
</tr>
<tr>
<td>434 ~ 465MHz</td>
<td>dB</td>
<td>33</td>
<td>44</td>
<td>-</td>
</tr>
<tr>
<td>553 ~ 567MHz</td>
<td>dB</td>
<td>33</td>
<td>59</td>
<td>-</td>
</tr>
<tr>
<td>567 ~ 600MHz</td>
<td>dB</td>
<td>40</td>
<td>61</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:
SAW Filter 503.0MHz
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D. OUTLINE DRAWING:

3: Input
7: Output
1, 2, 4, 5, 6, 8: Ground
Unit: mm

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:

[Graph of frequency characteristics]

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G. PACKING:

1. Reel Dimension

2. Tape Dimension

Direction of Feed
H. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150 ~ 180°C for 60 ~ 90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50 ~ 80 seconds and at 260°C +0/-5° peak (20 ~ 40 sec).
4. Time: 2 times.