SAW Filter 1461.50MHz Model: TA0719A
Part No: MP01334 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: -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>1461.5</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss (1459 ~ 1464MHz) IL</td>
<td>dB</td>
<td>-</td>
<td>2.8</td>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td>Amplitude Ripple (1459 ~ 1464MHz)</td>
<td>dB</td>
<td>-</td>
<td>0.2</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>VSWR (1459 ~ 1464MHz)</td>
<td>-</td>
<td></td>
<td>1.5</td>
<td>2</td>
<td>-</td>
</tr>
</tbody>
</table>

Attenuation (Reference level from 0dB)

<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>DC ~ 100MHz</td>
<td>dB</td>
<td>60</td>
<td>78</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>1395 ~ 1400MHz</td>
<td>dB</td>
<td>20</td>
<td>49</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>1523 ~ 1528MHz</td>
<td>dB</td>
<td>20</td>
<td>44</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2856.5 ~ 2861.5MHz</td>
<td>dB</td>
<td>40</td>
<td>44</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2984.5 ~ 2989.5MHz</td>
<td>dB</td>
<td>40</td>
<td>43</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

![Measurement Circuit Diagram]
D. OUTLINE DRAWING:

Note:
The base material is ceramic with Au over Ni plating.
The plating thicknesses are:
- Electro Ni: 1.27 ~ 8.89µm.
- Electro Au: 0.3 ~ 1.0µm (solder pads only).
- 0.3µm Min. (Others)

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:

![Graph of Frequency Characteristics](image-url)
Reflection Functions

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Part No: MP01334
Model: TA0719A
Rev. No: 2

Reflection Functions

S11

Reflection Functions

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Reflection Functions

S11
G. PACKING:

1. Reel Dimension (Reel Count: 7" = 1000; 13" = 3000)

2. Tape Dimension
H. RECOMMENDED REFLOW PROFILE:

![Reflow Profile Graph](image-url)