SAW Filter 367.50MHz Model: TA1688A
Part No: MP07236 Rev No: 1

A. MAXIMUM RATING:

- Electrostatic Sensitive Device (ESD)

1. Input Power Level: 10dBm
2. DC Voltage: 3V
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>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency Fc</td>
<td>MHz</td>
<td>-</td>
<td>367.5</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss (366.5 ~ 368.5MHz) IL</td>
<td>dB</td>
<td>-</td>
<td>1.7</td>
<td>3.0</td>
</tr>
<tr>
<td>Amplitude Ripple (366.5 ~ 368.5MHz)</td>
<td>dB</td>
<td>-</td>
<td>0.3</td>
<td>1.4</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0dB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>325.5MHz</td>
<td>dB</td>
<td>30</td>
<td>60</td>
<td>-</td>
</tr>
<tr>
<td>356.8MHz</td>
<td>dB</td>
<td>10</td>
<td>42</td>
<td>-</td>
</tr>
<tr>
<td>378.2MHz</td>
<td>dB</td>
<td>10</td>
<td>29</td>
<td>-</td>
</tr>
<tr>
<td>409.5MHz</td>
<td>dB</td>
<td>30</td>
<td>61</td>
<td>-</td>
</tr>
<tr>
<td>Temperature coefficient of frequency</td>
<td>ppm/k</td>
<td>-</td>
<td>-36</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

![Circuit Diagram]

SAW Filter 50Ω 50Ω
1, 3, 4, 5, 7, 8
D. OUTLINE DRAWING:

![Outline Drawing Image]

#2: Input  
#6: Output  
#4, #8: Case Ground  
#1, #3, #5, #7: Ground

E. PCB FOOTPRINT:

![PCB Footprint Image]
F. FREQUENCY CHARACTERISTICS:

**Diagram 1:**
- Frequency range: 267.4 MHz to 317.4 MHz
- Resolution: 0.1 MHz

**Diagram 2:**
- Frequency range: 356.6 MHz to 409.5 MHz
- Resolution: 0.1 MHz
G. PACKING:

1. Reel Dimension (please refer to fr-75d10 for packing quantity)

2. Tape Dimension

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TA1688A v1
H. RECOMMENDED REFLOW PROFILE:

![Graph showing recommended reflow profile](image-url)