SAW Filter 429.250MHz  
Model: TA0707A  
Part No: MP01686  
Rev No: 1

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC voltage: 3V
3. Operating Temperature: -10°C to 60°C
4. Storage Temperature: -30°C to +85°C

B. 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>429.25</td>
<td>-</td>
</tr>
<tr>
<td>Insertion loss Fc ± 1.0MHz IL</td>
<td>dB</td>
<td>-</td>
<td>2.0</td>
<td>4.0</td>
</tr>
<tr>
<td>Amplitude ripple Fc ± 1.0MHz</td>
<td>dB</td>
<td>-</td>
<td>0.5</td>
<td>2.0</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0dB)</td>
<td>dB</td>
<td>8</td>
<td>29</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>417.1 ~ 420.1MHz</td>
<td>45</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>383.0 ~ 386.8 MHz</td>
<td>45</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>471.0 ~ 474.0 MHz</td>
<td>45</td>
<td>51</td>
<td>-</td>
</tr>
<tr>
<td>Source impedance ZS</td>
<td>Ω</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td>Load impedance ZL</td>
<td>-</td>
<td>50</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Note: No matching network required for operation at 50Ω

C. MEASUREMENT CIRCUIT:
D. FREQUENCY CHARACTERISTICS:

Transfer Function

[Graph showing frequency characteristics with marked points and values]
E. OUTLINE DRAWING:

- A: Input
- E: Output
- A, C, D, F: Ground
- Unit: mm

F. PCB FOOTPRINT:
G. PACKING:

1. Reel Dimension

2. Tape Dimension

Direction of Feed
H. REFLOW PROFILE:

![Recommended Reflow Profile Graphic]