SAW Filter 675.0MHz  Model: TA0767A
Part No: MP01459  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 +95°C

B. ELECTRICAL CHARACTERISTICS:

1. Terminating source impedance (differential): Z_S = 50Ω
2. Terminating load impedance (differential): Z_L = 50Ω

<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>675</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss at Center Frequency</td>
<td>dB</td>
<td>-</td>
<td>2</td>
<td>3.3</td>
<td>-</td>
</tr>
<tr>
<td>VSWR at Center Frequency</td>
<td></td>
<td>-</td>
<td>1.8</td>
<td>2.3</td>
<td>-</td>
</tr>
<tr>
<td>Attenuation (Reference level from IL c)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>608 ~ 614MHz</td>
<td>dB</td>
<td>20</td>
<td>42</td>
<td>-</td>
<td>-</td>
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<tr>
<td>736 ~ 742MHz</td>
<td>dB</td>
<td>30</td>
<td>40</td>
<td>-</td>
<td>-</td>
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<tr>
<td>742 ~ 1000MHz</td>
<td>dB</td>
<td>35</td>
<td>45</td>
<td>-</td>
<td>-</td>
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<tr>
<td>1000 ~ 1200MHz</td>
<td>dB</td>
<td>33</td>
<td>38</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
C. OUTLINE DRAWING:

D. MEASUREMENT CIRCUIT:

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:

![Graph 1](Graph1.png)

**FREQUENCY RESPONSE:**
- Center Frequency: 675 MHz
- 3dB BW: 3 MHz
- Insertion Loss: -1.71dB

![Graph 2](Graph2.png)

**FREQUENCY RESPONSE:**
- Center Frequency: 675 MHz
- 3dB BW: 1.5 MHz
- Insertion Loss: -1.986 dB
Reflection Functions

S11

S22
G. PACKING:

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

2. Tape Dimension
H. RECOMMENDED REFLOW PROFILE:

![Graph showing the recommended reflow profile with time (Sec) on the x-axis and temperature (Deg C) on the y-axis. The graph includes a curve that rises to a peak and then decreases.](image-url)