A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: +12dBm
2. DC Voltage: 3V
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>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center Frequency Fc</td>
<td>MHz</td>
<td>-</td>
<td>1962.5</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss (1930 ~ 1995MHz) IL</td>
<td>dB</td>
<td>-</td>
<td>2.6</td>
<td>3.5</td>
<td>-</td>
</tr>
<tr>
<td>Amplitude Ripple (1930 ~ 1995MHz)</td>
<td>dB</td>
<td>-</td>
<td>1.4</td>
<td>2.2</td>
<td>-</td>
</tr>
<tr>
<td>Return Loss (1930 ~ 1995MHz)</td>
<td>dB</td>
<td>8.5</td>
<td>11</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0dB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1710 ~ 1755MHz</td>
<td>dB</td>
<td>10</td>
<td>32</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>1850 ~ 1915MHz</td>
<td>dB</td>
<td>5</td>
<td>11</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2010 ~ 2020MHz</td>
<td>dB</td>
<td>5</td>
<td>8</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Temperature Coefficient of Frequency</td>
<td>ppm/°C</td>
<td>-</td>
<td>-36</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
SAW Filter 1962.50MHz  Model: TA1075A
Part No: MP04234  Rev No: 3

C. OUTLINE DRAWING:

D. MEASUREMENT CIRCUIT:

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:

![Graphs showing frequency characteristics of SAW Filter 1962.50MHz Model: TA1075A]

- **Part No:** MP04234

**SAW Filter 1962.50MHz**  
**Model:** TA1075A  
**Rev No:** 3
SAW Filter 1962.50MHz
Part No: MP04234

Model: TA1075A
Rev No: 3

1. At +70°C:

2. At -20°C:
3. Reflection Functions:

S11

S22
G. PACKING:

1. Reel Dimension

2. Tape Dimension
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 245 ~ 260°C peak (min. 10 sec).
4. Time: 2 times.