SAW Filter 880.0MHz  
Model: TA1375A  
Part No: MP05075  
Rev No: 1

A. **MAXIMUM RATING:**

1. Input Power Level: 15dBm  
2. DC Voltage: 3V  
3. Operating Temperature: -40°C to +85°C  
4. Storage Temperature: -40°C to +95°C

**Electrostatic Sensitive Device (ESD)**

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>880</td>
<td>-</td>
</tr>
<tr>
<td>Min. Insertion loss IL min</td>
<td>dB</td>
<td>-</td>
<td>1.6</td>
<td>2.5</td>
</tr>
<tr>
<td>Bandwidth @ -2dB</td>
<td>MHz</td>
<td>60</td>
<td>66</td>
<td>-</td>
</tr>
<tr>
<td>Amplitude ripple (865 ~ 895MHz)</td>
<td>dB</td>
<td>-</td>
<td>0.3</td>
<td>1.0</td>
</tr>
<tr>
<td>Return loss (850 ~ 910MHz)</td>
<td>dB</td>
<td>8</td>
<td>9</td>
<td>-</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0dB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DC ~ 800MHz</td>
<td>dB</td>
<td>20</td>
<td>22</td>
<td>-</td>
</tr>
<tr>
<td>1003 ~ 1028MHz</td>
<td>dB</td>
<td>25</td>
<td>29</td>
<td>-</td>
</tr>
<tr>
<td>1730 ~ 1780MHz</td>
<td>dB</td>
<td>25</td>
<td>28</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>
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C. MEASUREMENT CIRCUIT:

HP Network analyzer

D. OUTLINE DRAWING:

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:

![Frequency Characteristic Graph](image)

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Part No: MP05075
Model: TA1375A
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G. PACKING:

1. Reel Dimension

(Reel Count: 7” = 1000; 13”=3000)

2. Tape Dimension
H. RECOMMENDED REFLOW PROFILE:

![Graph showing reflow profile with temperature (Deg C) on the y-axis and time (Sec) on the x-axis. The graph indicates a smooth rise in temperature followed by a plateau, then a gradual decrease.]