SAW Filter 827.50MHz  
Model: TA0981A  
Part No: MP03364  
Rev No: 1

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC voltage: 3V
3. Operating Temperature: -30°C to 85°C
4. Storage Temperature: -40°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>827.5</td>
<td>-</td>
</tr>
<tr>
<td>Insertion loss 820 ~ 835MHz IL</td>
<td>dB</td>
<td>-</td>
<td>2.7</td>
<td>3.5</td>
</tr>
<tr>
<td>Amplitude ripple 820 ~ 835MHz</td>
<td>dB</td>
<td>-</td>
<td>0.7</td>
<td>1.5</td>
</tr>
<tr>
<td>VSWR 820 ~ 835MHz</td>
<td></td>
<td>-</td>
<td>1.5</td>
<td>2.0</td>
</tr>
<tr>
<td>Attenuation (reference from 0dB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 ~ 780MHz</td>
<td>dB</td>
<td>40</td>
<td>45</td>
<td>-</td>
</tr>
<tr>
<td>865 ~ 880MHz</td>
<td>dB</td>
<td>25</td>
<td>32</td>
<td>-</td>
</tr>
<tr>
<td>880 ~ 920MHz</td>
<td>dB</td>
<td>35</td>
<td>40</td>
<td>-</td>
</tr>
<tr>
<td>920 ~ 1220MHz</td>
<td>dB</td>
<td>40</td>
<td>45</td>
<td>-</td>
</tr>
<tr>
<td>Source impedance Z_S</td>
<td>Ω</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td>Load impedance Z_L</td>
<td>Ω</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
</tbody>
</table>

Note: No matching network required for operation at 50Ω

C. MEASUREMENT CIRCUIT:

[Diagram of measurement circuit]
D. FREQUENCY CHARACTERISTICS:

Transfer Function
E. OUTLINE DRAWING:

![Outline Drawing]

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

F. PCB FOOTPRINT:

![PCB Footprint]
G. PACKING:

1. REEL DIMENSION

2. TAPE DIMENSION
H. RECOMMENDED REFLOW PROFILE:

![Graph showing reflow profile](image)

- **Time (Sec)**: 0 to 360
- **Temp (Deg C)**: 20 to 280

The graph illustrates the recommended reflow profile for the SAW Filter 827.50MHz model TA0981A, part number MP03364, with revision number 1.