SAW Filter 876MHz  Model: TA1019A
Part No: MP02774  REV. NO: 1

A. MAXIMUM RATING:
1. Input Power Level: 10 dBm
2. DC voltage: 3 V
3. Operating Temperature: -10°C to +60°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>876</td>
<td>-</td>
</tr>
<tr>
<td>Insertion loss (872 ~ 880 MHz) IL</td>
<td>dB</td>
<td>-</td>
<td>3.0</td>
<td>4.5</td>
</tr>
<tr>
<td>Amplitude ripple (872 ~ 880 MHz)</td>
<td>dB</td>
<td>-</td>
<td>0.8</td>
<td>2.1</td>
</tr>
<tr>
<td>Attenuation (reference from 0dB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>780 ~ 790 MHz dB</td>
<td></td>
<td>40</td>
<td>49</td>
<td>-</td>
</tr>
<tr>
<td>825 ~ 835 MHz dB</td>
<td></td>
<td>40</td>
<td>49</td>
<td>-</td>
</tr>
<tr>
<td>847.5 ~ 857.5 MHz dB</td>
<td></td>
<td>30</td>
<td>38</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>

Note1. No matching network required for operation at 50Ω

C. MEASUREMENT CIRCUIT:

[Diagram of HP Network analyzer and SAW Filter connected with 50Ω terminations]
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D. FREQUENCY CHARACTERISTICS:

![Frequency Characteristics Graph]

1. Center 876 MHz
2. IFBW 70 kHz
3. Span 40 MHz
4. Band 2

![Another Frequency Characteristics Graph]

1. Center 876 MHz
2. IFBW 70 kHz
3. Span 200 MHz
4. Band 1
SAW Filter 876MHz
Model: TA1019A
Part No: MP02774

E. OUTLINE DRAWING:

F. PCB FOOTPRINT:
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7"=1000 ; 13"=3000 or per the request of customer order)

2. TAPE DIMENSION

SECION A-A

DIMENSION : mm

Direction of Feed
H. RECOMMENDED REFLOW PROFILE:

![Graph showing recommended reflow profile]