SAW Filter 1880MHz  
Model: TA0613A  
Part No: MA09362  
Rev No: 1

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -20°C to +75°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>1880</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss (1847.5 ~ 1912.5MHz) IL</td>
<td>dB</td>
<td>-</td>
<td>3</td>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td>Amplitude Ripple (1847.5 ~ 1912.5MHz)</td>
<td>dB</td>
<td>-</td>
<td>1.4</td>
<td>2.5</td>
<td>-</td>
</tr>
<tr>
<td>I/O Return Loss (1847.5 ~ 1912.5MHz)</td>
<td>dB</td>
<td>7.4</td>
<td>11</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Relative Attenuation (relative to 0dB)</td>
<td>dB</td>
<td>20</td>
<td>31</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>DC ~ 1660MHz</td>
<td>dB</td>
<td>30</td>
<td>36</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>1660 ~ 1721MHz</td>
<td>dB</td>
<td>20</td>
<td>40</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>1721 ~ 1800MHz</td>
<td>dB</td>
<td>25</td>
<td>40</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>1960 ~ 2040MHz</td>
<td>dB</td>
<td>31</td>
<td>38</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2040 ~ 2480MHz</td>
<td>dB</td>
<td>25</td>
<td>32</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>3700 ~ 3820MHz</td>
<td>dB</td>
<td>25</td>
<td>32</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

[Diagram: HP Network analyzer connected to SAW Filter with 50Ω terminations at A, B, C, D, E, F]
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D. OUTLINE DRAWING:

[Outline drawing of the component with labels A, B, C, D, E, F, and dimensions marked.]

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

E. PCB FOOTPRINT:

[PCB footprint diagram with dimensions labeled.]

Unit: mm
F. FREQUENCY CHARACTERISTICS:

![Graph of frequency characteristics](image_url)

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TA0613A v1
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Reflection Functions

S11

S22
G. PACKING:

1. REEL DIMENSION

(Reel Count: 7” = 1000; 13” = 3000)

2. TAPE DIMENSION
H. RECOMMENDED REFLOW PROFILE:

![Reflow Profile Graph]

- Temp (Deg C) vs Time (Sec) graph showing the recommended reflow profile for the SAW Filter 1880MHz Model: TA0613A Part No: MA09362 Rev No: 1