SAW Filter 881.50MHz  Model: TA0571A
Part No: MA08478  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. ELECTRICAL CHARACTERISTICS:

<table>
<thead>
<tr>
<th>Item</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency Fc MHz</td>
<td>-</td>
<td>881.5</td>
<td>-</td>
</tr>
<tr>
<td>Insertion loss 869 ~ 894MHz IL (dB)</td>
<td>-</td>
<td>2.3</td>
<td>3.0</td>
</tr>
<tr>
<td>Amplitude ripple 869 ~ 894MHz (dB)</td>
<td>-</td>
<td>0.8</td>
<td>1.5</td>
</tr>
</tbody>
</table>

Attenuation (Reference level from 0dB)

<table>
<thead>
<tr>
<th>Item</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>D.C. ~ 824MHz (dB)</td>
<td>40</td>
<td>54</td>
<td>-</td>
</tr>
<tr>
<td>824 ~ 849MHz (dB)</td>
<td>35</td>
<td>46</td>
<td>-</td>
</tr>
<tr>
<td>970 ~ 997MHz (dB)</td>
<td>35</td>
<td>66</td>
<td>-</td>
</tr>
<tr>
<td>997 ~ 1150MHz (dB)</td>
<td>40</td>
<td>70</td>
<td>-</td>
</tr>
<tr>
<td>1150 ~ 1500MHz (dB)</td>
<td>30</td>
<td>62</td>
<td>-</td>
</tr>
<tr>
<td>1500 ~ 2000MHz (dB)</td>
<td>25</td>
<td>48</td>
<td>-</td>
</tr>
<tr>
<td>2000 ~ 3000MHz (dB)</td>
<td>20</td>
<td>30</td>
<td>-</td>
</tr>
<tr>
<td>VSWR 869 ~ 894MHz</td>
<td>-</td>
<td>1.9</td>
<td>2.3</td>
</tr>
</tbody>
</table>

Source impedance Zs (Ω)                    | -    | 50   | -    |
Load impedance ZL (Ω)                      | -    | 50   | -    |

Note: No matching network required for operation at 50Ω

C. MEASUREMENT CIRCUIT:

HP Network analyzer

![Measurement Circuit Diagram]
SAW Filter 881.50MHz  
Model: TA0571A  
Part No: MA08478  
Rev No: 1

D. OUTLINE DRAWING:

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:

1. Frequency Characteristics
2. Frequency Characteristics

[Graphs and data points]

1. Frequency Characteristics
2. Frequency Characteristics

[Graphs and data points]
Reflection Functions

S11

S22
G. PACKING:

1. Reel Dimension

(Reel Count: 7" = 1000; 13" = 3000)

2. Tape Dimension
H. RECOMMENDED REFLOW PROFILE:

![Graph showing recommended reflow profile with temperature in degrees Celsius against time in seconds.](image)