SAW Filter 776.50MHz  
Model: TA0557A  
Part No: MA08039

A. MAXIMUM RATING:
1. Input Power Level: 10 dBm
2. DC voltage: 3 V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -40°C to +85°C

B. CHARACTERISTICS:

<table>
<thead>
<tr>
<th>Item</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency</td>
<td>MHz</td>
<td></td>
<td>776.5</td>
</tr>
<tr>
<td>Insertion loss</td>
<td>dB</td>
<td>2.6</td>
<td>4.2</td>
</tr>
<tr>
<td>Amplitude ripple</td>
<td>dB</td>
<td>0.7</td>
<td>1.5</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0dB)</td>
<td>MHz dB</td>
<td>729 ~ 734</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>MHz dB</td>
<td>819 ~ 824</td>
<td>30</td>
</tr>
<tr>
<td>Source impedance</td>
<td>Ω</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td>Load impedance</td>
<td>Ω</td>
<td>50</td>
<td>-</td>
</tr>
</tbody>
</table>

Note1. No matching network required for operation at 50Ω
C. TRANSFER FUNCTION:

![Graph 1](image1)

![Graph 2](image2)
D. MEASUREMENT CIRCUIT:

HP Network analyzer

50Ω  B  SAW Filter  E  50Ω
A, C, D, F

E. OUTLINE DRAWING:

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

F. PCB FOOTPRINT:
G. PACKING:

1. REEL DIMENSION

![Reel Dimension Diagram]

2. TAPE DIMENSION

![Tape Dimension Diagram]
H. RECOMMENDED REFLOW PROFILE:

![Reflow Profile Graph]

This graph illustrates the recommended reflow profile for the SAW Filter 776.50MHz, Model: TA0557A, Part No: MA08039. The profile is divided into several stages, each labeled with specific temperature and time constraints. The graph shows the temperature (in °C) over time (in seconds), providing a visual guide for the reflow process.