SAW Filter 2330MHz
Part No: MP01478

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -50°C to +95°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>2330</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss (2300 ~ 2360MHz) IL</td>
<td>dB</td>
<td>-</td>
<td>2.4</td>
<td>3.2</td>
<td>-</td>
</tr>
<tr>
<td>Amplitude Ripple (2300 ~ 2360MHz)</td>
<td>dB</td>
<td>-</td>
<td>1.1</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>Amplitude Ripple (2300 ~ 2320MHz)</td>
<td>dB</td>
<td>-</td>
<td>0.3</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>Amplitude Ripple (2320 ~ 2340MHz)</td>
<td>dB</td>
<td>-</td>
<td>0.6</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>Amplitude Ripple (2340 ~ 2360MHz)</td>
<td>dB</td>
<td>-</td>
<td>0.5</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>Return Loss (2300 ~ 2360MHz)</td>
<td>dB</td>
<td>9</td>
<td>9.5</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Attenuation (Reference level from 0dB)

<table>
<thead>
<tr>
<th></th>
<th>dB</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>DC ~ 2085MHz</td>
<td>25</td>
<td>30</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>2097 ~ 2235MHz</td>
<td>25</td>
<td>36</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>2235 ~ 2256MHz</td>
<td>15</td>
<td>29</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

![Diagram](attachment:image.png)
D. OUTLINE DRAWING:

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

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:

![Frequency Characteristics Graph](image)

SAW Filter 2330MHz
Part No: MP01478
Model: TA0843A
Rev No: 1
Reflection Functions

S11

S22
G. PACKING:

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

2. Tape Dimension
H. RECOMMENDED REFLOW PROFILE:

![Diagram of temperature profile over time](image)

- Time (Sec) range: 0 to 360
- Temperature (Deg C) range: 20 to 280

The graph shows the recommended reflow profile for the SAW Filter 2330MHz, with critical points indicating temperature and time intervals for optimal assembly.