SAW Filter 923.50MHz
Model: TA0644A
Part No: MP02330
Rev No: 2

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +85°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>923.5</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss (919 ~ 928MHz) IL</td>
<td>dB</td>
<td>-</td>
<td>2.6</td>
<td>3.8</td>
<td>-</td>
</tr>
<tr>
<td>Amplitude Ripple (919 ~ 928MHz)</td>
<td>dB</td>
<td>-</td>
<td>0.6</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>VSWR (919 ~ 928MHz)</td>
<td></td>
<td>-</td>
<td>1.3</td>
<td>2.2</td>
<td>-</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0dB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D.C ~ 880MHz</td>
<td>dB</td>
<td>30</td>
<td>53</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>880 ~ 900MHz</td>
<td>dB</td>
<td>20</td>
<td>50</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>900 ~ 910MHz</td>
<td>dB</td>
<td>10</td>
<td>24</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>940 ~ 1000MHz</td>
<td>dB</td>
<td>10</td>
<td>34</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>1000 ~ 3000MHz</td>
<td>dB</td>
<td>20</td>
<td>31</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

![Measurement Circuit Diagram]
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Part No: MP02330

D. OUTLINE DRAWING:

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:

![Frequency Characteristics Graph]

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Reflection Functions:

S11

S22
G. PACKING:

1. Reel Dimension

2. Tape Dimension

SECTION A-A

SECTION B-B

DIMENSION : mm

Direction of Feed

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H. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150 ~ 180°C for 60 ~ 90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50 ~ 80 seconds and at 245 ~ 260°C peak (min. 10 sec).
4. Time: 2 times.