SAW Filter 2636.50MHz

Model: TA1162A

Part No: MP04343

Rev No. 2

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -30°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>2636.5</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss (2588 ~ 2685MHz) IL</td>
<td>dB</td>
<td>-</td>
<td>2.6</td>
<td>3.6</td>
<td>-</td>
</tr>
<tr>
<td>Amplitude Ripple (2588 ~ 2685MHz)</td>
<td>dB</td>
<td>-</td>
<td>1.6</td>
<td>2.4</td>
<td>-</td>
</tr>
<tr>
<td>VSWR (2588 ~ 2685MHz)</td>
<td></td>
<td>-</td>
<td>2</td>
<td>2.5</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>DC ~ 2520MHz</td>
<td>dB</td>
<td>25</td>
<td>29</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2750 ~ 4000MHz</td>
<td>dB</td>
<td>30</td>
<td>34</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>4000 ~ 5000MHz</td>
<td>dB</td>
<td>15</td>
<td>24</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Temperature Coefficient of Frequency</td>
<td>ppm/°C</td>
<td>-</td>
<td>-36</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
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C. OUTLINE DRAWING:

D. MEASUREMENT CIRCUIT:

HP Network analyzer

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:
Reflection Functions

**S11**

**S22**
G. PACKING:

1. Reel Dimension

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

2. Tape Dimension
SAW Filter 2636.50MHz  
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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. 10sec).
4. Time: 2 times.

![Pb Free IR Reflow Profile Diagram](image)