SAW Filter 2657MHz  
Model: TA0887A  
Part No: MP03210  
Rev No: 1

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -20°C to +70°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>2657</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss (2624 ~ 2690MHz) IL</td>
<td>dB</td>
<td>-</td>
<td>2.3</td>
<td>3.6</td>
<td>-</td>
</tr>
<tr>
<td>Amplitude Ripple (2624 ~ 2690MHz)</td>
<td>dB</td>
<td>-</td>
<td>0.8</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>VSWR (2624 ~ 2690MHz)</td>
<td></td>
<td>-</td>
<td>1.9</td>
<td>2.5</td>
<td>-</td>
</tr>
</tbody>
</table>

Attenuation (Reference level from 0dB)

<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>DC ~ 2100MHz</td>
<td>dB</td>
<td>25</td>
<td>31</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2100 ~ 2515MHz</td>
<td>dB</td>
<td>27</td>
<td>34</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2770 ~ 4000MHz</td>
<td>dB</td>
<td>30</td>
<td>37</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>4000 ~ 5000MHz</td>
<td>dB</td>
<td>15</td>
<td>22</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

50Ω  B  SAW Filter  E  50Ω
A, C, D, F
SAW Filter 2657MHz
Model: TA0887A
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D. OUTLINE DRAWING:

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:

![FREQUENCY CHARACTERISTICS GRAPH]

1. Center 2.657 GHz
2. 3 dB bandwidth 2.6 GHz
3. Span 200 MHz

![FREQUENCY CHARACTERISTICS GRAPH]

1. Start 30 MHz
2. JFBR 3 kHz
3. Span 5 GHz

Reflection Functions

S11

S22
G. PACKING:

1. REEL DIMENSION

(Reel Count: 7” = 1000; 13” = 3000)

2. TAPE DIMENSION
H. RECOMMENDED REFLOW PROFILE:

![Reflow Profile Graph](image)

- Time (Sec) on the x-axis ranges from 0 to 360.
- Temperature (Deg C) on the y-axis ranges from 20 to 280.

The graph shows the recommended reflow profile for the SAW Filter 2657MHz model TA0887A part number MP03210.