SAW Filter 2641.5MHz
Part No: MP02875

Model: TA1136A
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: -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>2641.5</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss (2593 ~ 2690MHz) IL</td>
<td>dB</td>
<td>-</td>
<td>2.3</td>
<td>4</td>
<td>-</td>
</tr>
<tr>
<td>Amplitude Ripple (2593 ~ 2690MHz)</td>
<td>dB</td>
<td>-</td>
<td>1.3</td>
<td>2.5</td>
<td>-</td>
</tr>
<tr>
<td>VSWR (2593 ~ 2690MHz)</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>28</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2760 ~ 4000MHz</td>
<td>dB</td>
<td>30</td>
<td>36</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>4000 ~ 5000MHz</td>
<td>dB</td>
<td>15</td>
<td>26</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>

C. OUTLINE DRAWING:

2: Input
5: Output
1, 3, 4, 6: Ground

Unit: mm
D. MEASUREMENT CIRCUIT:

HP Network analyzer

50Ω ———— 2 ———— SAW Filter

50Ω
1, 3, 4, 6

E. PCB FOOTPRINT:

3.20SQ
1.70
1.09
1.05
0.81
0.38
F. FREQUENCY CHARACTERISTICS:

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**FREQUENCY CHARACTERISTICS:**

**Graph 1:**
- Frequency: 2641.5MHz
- Model: TA1136A
- Part No: MP02875
- Rev No: 1

**Graph 2:**
- Frequency: 2641.5MHz
- Model: TA1136A
- Part No: MP02875
- Rev No: 1

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**Graph 3:**
- Frequency: 1600MHz
- Model: TA1136A
- Part No: MP02875
- Rev No: 1

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**Graph 4:**
- Frequency: 3200MHz
- Model: TA1136A
- Part No: MP02875
- Rev No: 1

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**Graph 5:**
- Frequency: 3800MHz
- Model: TA1136A
- Part No: MP02875
- Rev No: 1

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**Graph 6:**
- Frequency: 4400MHz
- Model: TA1136A
- Part No: MP02875
- Rev No: 1

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**Graph 7:**
- Frequency: 5000MHz
- Model: TA1136A
- Part No: MP02875
- Rev No: 1

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**Graph 8:**
- Frequency: 5600MHz
- Model: TA1136A
- Part No: MP02875
- Rev No: 1

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**Graph 9:**
- Frequency: 6200MHz
- Model: TA1136A
- Part No: MP02875
- Rev No: 1

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**Graph 10:**
- Frequency: 6800MHz
- Model: TA1136A
- Part No: MP02875
- Rev No: 1

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**Graph 11:**
- Frequency: 7400MHz
- Model: TA1136A
- Part No: MP02875
- Rev No: 1

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**Graph 12:**
- Frequency: 8000MHz
- Model: TA1136A
- Part No: MP02875
- 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:

![Reflow Profile Graph](image-url)