SAW Filter 1210.0MHz
Model: TA0888A
Part No: MP01875
Rev No: 1

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:

1. Terminating source impedance (differential): $Z_S = 150\Omega // 36nH$
2. Terminating load impedance (differential): $Z_L = 150\Omega // 36nH$

<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>1210</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Bandwidth at -2dB</td>
<td>MHz</td>
<td>60</td>
<td>77</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss (1180 ~ 1240MHz)</td>
<td>dB</td>
<td>-</td>
<td>3.9</td>
<td>5</td>
<td>-</td>
</tr>
<tr>
<td>Amplitude ripple (1180 ~ 1240MHz)</td>
<td>dB</td>
<td>-</td>
<td>1</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>Phase error (1180 ~ 1240MHz) (3)</td>
<td>deg</td>
<td>-</td>
<td>3</td>
<td>5</td>
<td>-</td>
</tr>
<tr>
<td>I/O VSWR (1180 ~ 1240MHz)</td>
<td></td>
<td>-</td>
<td>1.6</td>
<td>2.5</td>
<td>-</td>
</tr>
<tr>
<td>CMDR (1180 ~ 1240MHz)</td>
<td>dB</td>
<td>22</td>
<td>25</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Attenuation (1)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>50 ~ 1110MHz</td>
<td>dB</td>
<td>44</td>
<td>49</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>1320 ~ 3000MHz</td>
<td>dB</td>
<td>36</td>
<td>38.5</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>3000 ~ 4250MHz</td>
<td>dB</td>
<td>35</td>
<td>41</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>4000 ~ 6000MHz</td>
<td>dB</td>
<td>30</td>
<td>37</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Notes:
1. The amplitude reference is insertion loss at Fc.
2. The amplitude ripple is defined as the max. level - min. level over any 36MHz block of the given bandwidth.
3. The phase error is measured over any 36MHz block of the given bandwidth.
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C. OUTLINE DRAWING:

D. MEASUREMENT CIRCUIT:

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:

![Frequency Characteristics Graph]

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Graph showing frequency response with peak at 1210.0MHz.
Reflection Functions

S11

S22
G. PACKING:

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

2. Tape Dimension
H. RECOMMENDED REFLOW PROFILE:

![Graph showing temperature vs. time for reflow profile]