SAW Filter 1942.0MHz
Part No: MP03361

Model: TA0927A
Rev No: 1

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -50°C to +70°C
4. Storage Temperature: -50°C to +95°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>1942</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Min. Insertion loss IL</td>
<td>dB</td>
<td>-</td>
<td>3.3</td>
<td>5</td>
<td>-</td>
</tr>
<tr>
<td>Bandwidth @ -3dB</td>
<td>MHz</td>
<td>50</td>
<td>83</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Amplitude Ripple (1917 ~ 1967MHz)</td>
<td>dB</td>
<td>-</td>
<td>0.7</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>VSWR (1917 ~ 1967MHz)</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>1300 ~ 1820MHz</td>
<td>dB</td>
<td>40</td>
<td>44</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2065 ~ 2500MHz</td>
<td>dB</td>
<td>37</td>
<td>41</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

50Ω  SAW Filter 50Ω
A, C, D, F

TA0927A v1
D. OUTLINE DRAWING:

B: Input
E: Output
A, C, D, F: Ground
Unit: mm

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:

![Frequency Characteristics Graph]

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Reflection Functions
G. PACKING:

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

2. Tape Dimension
H. RECOMMENDED REFLOW PROFILE:

![Graph showing recommended reflow profile with temperature in degrees Celsius against time in seconds.](image)