SAW Filter 399.80MHz  
Part No: MP07598  
Model: TA1951A  
Rev No: 1

A. MAXIMUM RATING:

1. Input Power Level: 20dBm
2. DC Voltage: 7.5V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -30°C to +80°C

B. ELECTRICAL CHARACTERISTICS:

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency Fc</td>
<td>MHz</td>
<td>-</td>
<td>399.8</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss (399.3 ~ 400.3MHz) IL</td>
<td>dB</td>
<td>-</td>
<td>1.8</td>
<td>2.4</td>
</tr>
<tr>
<td>Amplitude Ripple (399.3 ~ 400.3MHz)</td>
<td>dB</td>
<td>-</td>
<td>0.1</td>
<td>1.2</td>
</tr>
<tr>
<td>VSWR (399.3 ~ 400.3MHz)</td>
<td></td>
<td>-</td>
<td>1.3</td>
<td>2.2</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0dB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 ~ 369.8MHz</td>
<td>dB</td>
<td>47</td>
<td>68</td>
<td>-</td>
</tr>
<tr>
<td>429.8 ~ 1000MHz</td>
<td>dB</td>
<td>47</td>
<td>53</td>
<td>-</td>
</tr>
<tr>
<td>Temperature coefficient of frequency</td>
<td>ppm/k</td>
<td>-</td>
<td>-36</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

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TA1951A v1
SAW Filter 399.80MHz
Model: TA1951A
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Rev No: 1

D. OUTLINE DRAWING:

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

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

S11

S22

SAW Filter 399.80MHz
Model: TA1951A
Part No: MP07598
Rev No: 1
G. PACKING:

1. Reel Dimension (Please refer to FR-75D10 for packing quantity)

2. Tape Dimension
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 260°C ±0/-5°C peak (20 ~ 40 sec).
4. Time: 2 times.