A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 10dBm
2. DC Voltage: 10V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitive Level: Level 1 (MSL1)

B. ELECTRICAL CHARACTERISTICS:

Ambient Temperature: 25°C

<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>355.0</td>
<td>-</td>
</tr>
<tr>
<td>Minimum Insertion Loss IL</td>
<td>dB</td>
<td>-</td>
<td>11.2</td>
<td>12.5</td>
</tr>
<tr>
<td>1dB Bandwidth</td>
<td>MHz</td>
<td>5.0</td>
<td>6.5</td>
<td>-</td>
</tr>
<tr>
<td>3dB Bandwidth</td>
<td>MHz</td>
<td>-</td>
<td>8.3</td>
<td>-</td>
</tr>
<tr>
<td>35dB Bandwidth</td>
<td>MHz</td>
<td>-</td>
<td>14.0</td>
<td>16.0</td>
</tr>
<tr>
<td>Amplitude Ripple (Fc ±2.5MHz)</td>
<td>dB</td>
<td>-</td>
<td>0.7</td>
<td>1.0</td>
</tr>
<tr>
<td>S11 Return Loss (Fc ±2.5MHz)</td>
<td>dB</td>
<td>-</td>
<td>4.5</td>
<td>-</td>
</tr>
<tr>
<td>Attenuation (Reference level from minimum insertion loss)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>245 ~ 320MHz</td>
<td>dB</td>
<td>40</td>
<td>60</td>
<td>-</td>
</tr>
<tr>
<td>370 ~ 445MHz</td>
<td>dB</td>
<td>40</td>
<td>47</td>
<td>-</td>
</tr>
<tr>
<td>Temp Coefficient</td>
<td>ppm/°C</td>
<td>-18</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
C. MEASUREMENT CIRCUIT:

\[ Z_{IN} = Z_{OUT} = 50 \text{ohm} \]

\[ L1 = 27 \text{nH}, \ C1 = 57 \text{pF}, \ L2 = 18 \text{nH}, \ C2 = 68 \text{pF} \]

D. PCB FOOTPRINT:

E. OUTLINE DRAWING:

K: Input
Pin D: Output
A, B, C, F, G, H, J, M: To be ground
Unit: mm
F. FREQUENCY CHARACTERISTICS:
SAW Filter 355.0MHz
Part No: MP02584
Model: TB0673A
Rev No: 2

Reflection Functions

S11

S22
G. PACKING:

1. Reel Dimension

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. Repeats: Twice maximum