SAW Filter 670.0MHz
Part No: MP03602

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: 0°C to +50°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>
</tr>
</thead>
<tbody>
<tr>
<td>Center Frequency Fc</td>
<td>MHz</td>
<td>-</td>
<td>670</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss at Center Frequency IL c</td>
<td>dB</td>
<td>-</td>
<td>1.7</td>
<td>2.2</td>
</tr>
<tr>
<td>Insertion Loss (660 ~ 680MHz)</td>
<td>dB</td>
<td>-</td>
<td>2.3</td>
<td>4</td>
</tr>
<tr>
<td>Amplitude Ripple (660 ~ 680MHz)</td>
<td>dB</td>
<td>-</td>
<td>0.8</td>
<td>2</td>
</tr>
<tr>
<td>Bandwidth @ -2dB</td>
<td>MHz</td>
<td>20</td>
<td>29</td>
<td>-</td>
</tr>
<tr>
<td>VSWR at Center Frequency</td>
<td>-</td>
<td>-</td>
<td>1.4</td>
<td>2</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0dB)</td>
<td>dB</td>
<td>50</td>
<td>60</td>
<td>-</td>
</tr>
<tr>
<td>DC ~ 608MHz</td>
<td>dB</td>
<td>30</td>
<td>60</td>
<td>-</td>
</tr>
<tr>
<td>608 ~ 614MHz</td>
<td>dB</td>
<td>30</td>
<td>60</td>
<td>-</td>
</tr>
<tr>
<td>726 ~ 732MHz</td>
<td>dB</td>
<td>30</td>
<td>51</td>
<td>-</td>
</tr>
<tr>
<td>1278 ~ 1402MHz</td>
<td>dB</td>
<td>40</td>
<td>54</td>
<td>-</td>
</tr>
<tr>
<td>1948 ~ 2072MHz</td>
<td>dB</td>
<td>35</td>
<td>38</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

![Measurement Circuit Diagram]

HP Network analyzer

50Ω  B  SAW Filter  E  50Ω

A, C, D, F

TA1050A v1
D. OUTLINE DRAWING:

![Outline Drawing Image]

Unit: mm

E. PCB FOOTPRINT:

![PCB Footprint Image]
F. FREQUENCY CHARACTERISTICS:

![Graph of frequency characteristics]

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SAW Filter 670.0MHz
Part No: MP03602

Model: TA1050A
Rev No: 1
Reflection Functions

S11

S22
G. PACKING:

1. REEL DIMENSION

![Reel Dimension Diagram]

2. TAPE DIMENSION

![Tape Dimension Diagram]
H. RECOMMENDED REFLOW PROFILE:

![Graph showing reflow profile temperatures over time.](image-url)