SAW Filter 283.50MHz
Part No: MP01484
Model: TB0613A

A. MAXIMUM RATING:
1. Input Power Level: 10 dBm
2. DC voltage: 5 V
3. Operating Temperature: -20°C to +60°C
4. Storage Temperature: -40°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</td>
<td>MHz</td>
<td>-</td>
<td>283.5</td>
<td>-</td>
</tr>
<tr>
<td>Minimum Insertion Loss, (Fc±50KHz)</td>
<td>dB</td>
<td>-</td>
<td>4.2</td>
<td>6.5</td>
</tr>
<tr>
<td>Passband Ripple (Fc±50KHz)</td>
<td>dB</td>
<td>-</td>
<td>0.6</td>
<td>2.0</td>
</tr>
<tr>
<td>Group delay ripple (Fc±50KHz)</td>
<td>μs</td>
<td>-</td>
<td>0.9</td>
<td>3.0</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0 dB)</td>
<td>dB</td>
<td>50</td>
<td>65.0</td>
<td>-</td>
</tr>
<tr>
<td>Fc – 25 to Fc – 1.6 MHz</td>
<td>dB</td>
<td>28</td>
<td>64.7</td>
<td>-</td>
</tr>
<tr>
<td>Fc – 1.6 to Fc – 0.6 MHz</td>
<td>dB</td>
<td>28</td>
<td>63.7</td>
<td>-</td>
</tr>
<tr>
<td>Fc + 0.6 to Fc + 1.6 MHz</td>
<td>dB</td>
<td>50</td>
<td>63.0</td>
<td>-</td>
</tr>
<tr>
<td>Fc + 1.6 to Fc + 25 MHz</td>
<td>dB</td>
<td>50</td>
<td>63.0</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:
50 Ohm Test circuit (single-ended / single-ended)
D. OUTLINE DRAWING:

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:

![Graph of frequency characteristics]

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REV NO.: 1
SAW Filter 283.50MHz
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Model: TB0613A
REV NO.: 1

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SAW Filter 283.50MHz
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Model: TB0613A
REV NO.: 1
G. PACKING:

1. REEL DIMENSION

2. TAPE DIMENSION
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Part No: MP01484

H. RECOMMENDED REFLOW PROFILE: