SAW Filter 44.0MHz

Model: TB0364A
Part No: MA08493
REV. NO.: 2

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. Operating Temperature: -40°C to +85°C
3. Storage Temperature: -40°C to +85°C

B. 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>44</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss, IL</td>
<td>dB</td>
<td>-</td>
<td>11.5</td>
<td>16</td>
</tr>
<tr>
<td>3 dB Bandwidth</td>
<td>MHz</td>
<td>6.5</td>
<td>6.8</td>
<td></td>
</tr>
<tr>
<td>Pass band Ripple Fc±2.7MHz</td>
<td>dB</td>
<td>-</td>
<td>0.9</td>
<td>1.2</td>
</tr>
<tr>
<td>Relative Attenuation Fc±3.6MHz</td>
<td>dB</td>
<td>20</td>
<td>23</td>
<td></td>
</tr>
<tr>
<td>Relative Attenuation Fc±4.0MHz</td>
<td>dB</td>
<td>24</td>
<td>26</td>
<td></td>
</tr>
<tr>
<td>Relative Attenuation Fc±7.0MHz</td>
<td>dB</td>
<td>40</td>
<td>43</td>
<td></td>
</tr>
<tr>
<td>Relative Attenuation 26.5MHz to 37MHz</td>
<td>dB</td>
<td>40</td>
<td>59</td>
<td></td>
</tr>
<tr>
<td>Relative Attenuation 51MHz to 61.5MHz</td>
<td>dB</td>
<td>40</td>
<td>48</td>
<td></td>
</tr>
</tbody>
</table>
C. FREQUENCY CHARACTERISTICS:
(1) Frequency Response

(2) Passband response and Group Delay Variation:
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D. OUTLINE DRAWING:

Pin K=L: RF input
Pin E=F: RF output
Unit: mm

E. PCB FOOTPRINT:

F. MATCHING CIRCUIT:

L1=220nH, C1=C2=110pF, L2=680nH
G. PACKING:

(1). REEL DIMENSION:

(2). TAPE DIMENSION:
H. RECOMMENDED REFLOW PROFILE: