SAW Filter 169.20MHz
Part No: MA08916

Model: TB0484A
REV. NO.: 1

A. MAXIMUM RATING:
1. Input Power Level: 15 dBm
2. DC Voltage : 5V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -50°C to +95°C

B. ELECTRICAL CHARACTERISTICS:

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency</td>
<td>MHz</td>
<td>-</td>
<td>169.2</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Insertion loss at center frequency</td>
<td>dB</td>
<td>-</td>
<td>3.0</td>
<td>7.0</td>
<td>-</td>
</tr>
<tr>
<td>Ripple (169.19625~169.20375)</td>
<td>dB</td>
<td>-</td>
<td>±0.2</td>
<td>±1</td>
<td>-</td>
</tr>
<tr>
<td>Attenuation (relative to ILc)</td>
<td>dB</td>
<td>30</td>
<td>50</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>168.2 ~ 168.3025 MHz</td>
<td>dB</td>
<td>7</td>
<td>21</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>168.3025 ~ 169.1 MHz</td>
<td>dB</td>
<td>7</td>
<td>21</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>169.3 ~ 170.0975 MHz</td>
<td>dB</td>
<td>7</td>
<td>21</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>170.0975 ~ 170.2 MHz</td>
<td>dB</td>
<td>30</td>
<td>50</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Temperature coefficient of frequency</td>
<td>ppm/C²</td>
<td>-0.034</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note1. Considering -21 KHz frequency shift from -40°C to +85°C
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C. OUTLINE DRAWING:

Pin configuration
- #9 Input
- #4 Output
- #10 Balance input or input ground
- #5 Balance output or output ground
- #1,2,3,6,7,8 To be grounded

Unit: mm

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

HP Network analyzer

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:

![Frequency Characteristics Diagram]

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Part No: MA08916

G. PACKING:
1. REEL DIMENSION

2. TAPE DIMENSION
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H. RECOMMENDED REFLOW PROFILE:

[Graph showing recommended reflow profile with temperature (Deg C) on the y-axis and time (Sec) on the x-axis.]