SAW Filter 164.1750MHz  
Model: TB0482A  
Part No: MA08915

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>164.175</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Insertion loss at center frequency</td>
<td>ILc</td>
<td>-</td>
<td>3.6</td>
<td>7.0</td>
<td>-</td>
</tr>
<tr>
<td>Ripple (164.17125 ~ 164.17875 MHz)</td>
<td>dB</td>
<td>-</td>
<td>±0.3</td>
<td>±1</td>
<td>-</td>
</tr>
<tr>
<td>Attenuation (relative to ILc)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>163.175 ~ 163.2775 MHz</td>
<td>dB</td>
<td>30</td>
<td>50</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>163.2775 ~ 164.075 MHz</td>
<td>dB</td>
<td>7</td>
<td>20</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>164.275 ~ 165.0725 MHz</td>
<td>dB</td>
<td>7</td>
<td>20</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>165.0725 ~ 165.175 MHz</td>
<td>dB</td>
<td>30</td>
<td>50</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Temperature coefficient of frequency</td>
<td>TCf</td>
<td>-0.034 ppm/C^2</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Note1. Considering -20 KHz frequency shift from –40°C to +85°C
SAW Filter 164.1750MHz
Model: TB0482A
Part No: MA08915
REV. NO.: 1

C. OUTLINE DRAWING:

D. MEASUREMENT CIRCUIT:

50 Ohm Test circuit (single-ended / single-ended)

HP Network analyzer

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:

![Graph of S21 Log Mag vs Frequency](image1)

- Center: 164.17125 MHz
- FBW: 1 MHz
- Span: 2 MHz

![Graph of S21 Log Mag vs Frequency](image2)

- Center: 164.1750 MHz
- FBW: 1 MHz
- Span: 2 MHz
G. PACKING:
1. REEL DIMENSION

2. TAPE DIMENSION
H. RECOMMENDED REFLOW PROFILE:

![Graph showing recommended reflow profile](image)