SAW Filter 836.50MHz
Part No: MP06501

Model: TA1652A
Rev No: 1

A. MAXIMUM RATING:

   Electrostatic Sensitive Device (ESD)

   1. Input Power Level: 10dBm
   2. DC voltage: 12V
   3. Operating Temperature: -40°C to +85°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 Fc</td>
<td>MHz</td>
<td>-</td>
<td>836.5</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss (834.5 ~ 838.5MHz) IL min</td>
<td>dB</td>
<td>-</td>
<td>2.7</td>
<td>4.0</td>
</tr>
<tr>
<td>Amplitude Ripple (835.5 ~ 837.5MHz)</td>
<td>dB</td>
<td>-</td>
<td>0.4</td>
<td>2.5</td>
</tr>
<tr>
<td>-1dB bandwidth</td>
<td>MHz</td>
<td>4</td>
<td>9</td>
<td>-</td>
</tr>
<tr>
<td>-3dB bandwidth</td>
<td>MHz</td>
<td>6</td>
<td>11</td>
<td>-</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0dB)</td>
<td>dB</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20 ~ 785MHz</td>
<td>dB</td>
<td>40</td>
<td>44</td>
<td>-</td>
</tr>
<tr>
<td>785 ~ 810MHz</td>
<td>dB</td>
<td>30</td>
<td>45</td>
<td>-</td>
</tr>
<tr>
<td>810 ~ 829MHz</td>
<td>dB</td>
<td>2.5</td>
<td>19</td>
<td>-</td>
</tr>
<tr>
<td>843 ~ 850MHz</td>
<td>dB</td>
<td>2.5</td>
<td>5</td>
<td>-</td>
</tr>
<tr>
<td>850 ~ 910MHz</td>
<td>dB</td>
<td>18</td>
<td>41</td>
<td>-</td>
</tr>
<tr>
<td>910 ~ 1000MHz</td>
<td>dB</td>
<td>40</td>
<td>53</td>
<td>-</td>
</tr>
<tr>
<td>Temperature Coefficient of Frequency</td>
<td>ppm/°C</td>
<td>-</td>
<td>-36</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

\[ A, C, D, F \]

SAW Filter

50Ω

\[ B \]

50Ω

TA1652A v1
D. FREQUENCY CHARACTERISTICS:

![Graph showing frequency characteristics of TA1652A v1 SAW Filter 836.50MHz Part No: MP06501 Model: TA1652A Rev No: 1](image-url)
SAW Filter 836.50MHz
Model: TA1652A
Part No: MP06501
Rev No: 1

E. OUTLINE DRAWING:

B: Input
E: Output
A, C, D, F: Ground
Unit: mm

F. PCB FOOTPRINT:
G. PACKING:

1. Reel Dimension (Please refer to FR-75D10 for packing quantity)

2. Tape Dimension
H. RECOMMENDED REFLOW PROFILE:

![Reflow Profile Graph](image-url)