SAW Filter 1832.50MHz

Model: TA1487A

Part No: MP04943

Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 13dBm
2. DC Voltage: 3V
3. Operating Temperature: -30°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>1832.5</td>
<td>-</td>
</tr>
<tr>
<td>Insertion loss IL (1805 ~ 1860MHz)</td>
<td>dB</td>
<td>-</td>
<td>1.8</td>
<td>3.8</td>
</tr>
<tr>
<td>Amplitude ripple (1805 ~ 1860MHz)</td>
<td>dB</td>
<td>-</td>
<td>0.9</td>
<td>2.3</td>
</tr>
<tr>
<td>Attenuation (reference from 0dB)</td>
<td>dB</td>
<td>20</td>
<td>26</td>
<td>-</td>
</tr>
<tr>
<td>0.3 ~ 1710MHz</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1930 ~ 3000MHz</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Source impedance Z_S</td>
<td>Ω</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td>Load impedance Z_L</td>
<td>Ω</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

---

TA1487A v1
SAW Filter 1832.50MHz
Part No: MP04943
Rev No: 1

D. OUTLINE DRAWING:

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:

1. Wideband response

2. Narrowband response
G. PACKING:

1. Reel Dimension (Reel Count: 7" = 1000; 13" = 3000)

2. Tape Dimension

---

SECTION A-A

SECTION B-B

DIMENSION ±mm
Direction of Feed
H. RECOMMENDED REFLOW PROFILE:

![Graph of reflow profile with temperature and time axes]