SAW Filter 1621.250MHz  
Part No: MP05833

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -45°C to +90°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>1621.25</td>
<td>-</td>
</tr>
<tr>
<td>Insertion loss (1616 ~ 1626.5MHz) IL</td>
<td>dB</td>
<td>-</td>
<td>1.9</td>
<td>2.5</td>
</tr>
<tr>
<td>Amplitude ripple (1616 ~ 1626.5MHz)</td>
<td>dB</td>
<td>-</td>
<td>0.7</td>
<td>1.2</td>
</tr>
<tr>
<td>Return loss (1616 ~ 1626.5MHz)</td>
<td>dB</td>
<td>10</td>
<td>17</td>
<td>-</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0dB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>200 ~ 1475MHz</td>
<td>dB</td>
<td>35</td>
<td>39</td>
<td>-</td>
</tr>
<tr>
<td>1475 ~ 1570MHz</td>
<td>dB</td>
<td>20</td>
<td>29</td>
<td>-</td>
</tr>
<tr>
<td>1570 ~ 1575MHz</td>
<td>dB</td>
<td>15</td>
<td>23</td>
<td>-</td>
</tr>
<tr>
<td>1652 ~ 1662MHz</td>
<td>dB</td>
<td>2</td>
<td>6</td>
<td>-</td>
</tr>
<tr>
<td>1662 ~ 1670MHz</td>
<td>dB</td>
<td>2</td>
<td>35</td>
<td>-</td>
</tr>
<tr>
<td>1670 ~ 2200MHz</td>
<td>dB</td>
<td>25</td>
<td>44</td>
<td>-</td>
</tr>
<tr>
<td>2200 ~ 3000MHz</td>
<td>dB</td>
<td>25</td>
<td>46</td>
<td>-</td>
</tr>
<tr>
<td>Temperature coefficient of frequency</td>
<td>ppm/k</td>
<td>-</td>
<td>-30</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

![Diagram of measurement circuit](image-url)
SAW Filter 1621.250MHz
Part No: MP05833

D. OUTLINE DRAWING:

E. PCB FOOTPRINT:
SAW Filter 1621.250MHz
Model: TA1496A
Part No: MP05833
Rev No: 1
G. PACKING:

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

2. Tape Dimension

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SECTION A-A

SECTION B-B

DIMENSION: mm

Direction of Feed
H. RECOMMENDED REFLOW PROFILE:

![Graph showing recommended reflow profile](image-url)