SAW Filter 1592.5MHz

Part No: MA09582

Model: TA0676A

Rev. No: 1

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -30°C to +70°C
4. Storage Temperature: -55°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>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center Frequency Fc</td>
<td>MHz</td>
<td>-</td>
<td>1592.5</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss (1571 ~ 1614MHz) IL</td>
<td>dB</td>
<td>-</td>
<td>2.6</td>
<td>3.5</td>
<td>-</td>
</tr>
<tr>
<td>Amplitude Ripple (1571 ~ 1614MHz)</td>
<td>dB</td>
<td>-</td>
<td>1.3</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>Bandwidth @ -2dB</td>
<td>dB</td>
<td>43</td>
<td>49</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Bandwidth @ -20dB</td>
<td>dB</td>
<td>-</td>
<td>74</td>
<td>120</td>
<td>-</td>
</tr>
<tr>
<td>Bandwidth @ -35dB</td>
<td>dB</td>
<td>-</td>
<td>88</td>
<td>140</td>
<td>-</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0dB)</td>
<td>dB</td>
<td>28</td>
<td>34</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>DC ~ 1522.5MHz</td>
<td>dB</td>
<td>30</td>
<td>38</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>1662.5 ~ 3000MHz</td>
<td>dB</td>
<td>30</td>
<td>38</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

![Measurement Circuit Diagram]
D. OUTLINE DRAWING:

A: Input
B: Input
C, D, E, F: Ground

Unit: mm

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:

![Graph showing frequency characteristics of SAW Filter 1592.5MHz Model: TA0676A Part No: MA09582 Rev. No: 1]
Reflection Functions

S11

S22
G. PACKING:

1. Reel Dimension

(Reel Count: 7” = 1000; 13” = 3000)

2. Tape Dimension

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

![Graph showing recommended reflow profile with temperature (°C) on the y-axis and time (Sec) on the x-axis. The curve peaks around 220°C.]