1932.50MHz SAW Filter  
**Model:** TA0652A  
**Part No:** MA09281  
**REV NO.:** 1

### A. MAXIMUM RATING:
1. Input Power Level: 10 dBm
2. DC voltage: 3 V
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>Min.</th>
<th>Typ.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency</td>
<td></td>
<td>1932.5</td>
<td>-</td>
</tr>
<tr>
<td>Insertion loss within 1925 ~ 1940 MHz</td>
<td></td>
<td>1.7</td>
<td>4</td>
</tr>
<tr>
<td>Amplitude ripple (p-p) within 1925 ~ 1940 MHz</td>
<td></td>
<td>0.6</td>
<td>2.5</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0 dB)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D.C. ~ 1820 MHz</td>
<td>20</td>
<td>30</td>
<td>-</td>
</tr>
<tr>
<td>1820 ~ 1880 MHz</td>
<td>10</td>
<td>19</td>
<td>-</td>
</tr>
<tr>
<td>1990 ~ 2030 MHz</td>
<td>8</td>
<td>20</td>
<td>-</td>
</tr>
<tr>
<td>2030 ~ 2060 MHz</td>
<td>20</td>
<td>40</td>
<td>-</td>
</tr>
<tr>
<td>2060 ~ 4000 MHz</td>
<td>20</td>
<td>30</td>
<td>-</td>
</tr>
<tr>
<td>VSWR within 1925 ~ 1940 MHz</td>
<td>-</td>
<td>1.4</td>
<td>2.5</td>
</tr>
<tr>
<td>Source impedance</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td>Load impedance</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
</tbody>
</table>

### C. MEASUREMENT CIRCUIT:

HP Network analyzer

![Measurement Circuit Diagram]

[Diagram of measurement circuit]
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D. OUTLINE DRAWING:

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:

Transfer function

![Frequency Characteristics Graph]

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Reflections Functions:

**S11 VSWR**

**S22 VSWR**
G. PACKING:

1. REEL DIMENSION

2. TAPE DIMENSION
H. RECOMMENDED REFLOW PROFILE:

![Graph showing recommended reflow profile with temperature in degrees Celsius (°C) on the y-axis and time in seconds on the x-axis.]