SAW Filter 675.0MHz  
Model: TA0616A  
Part No: MP01460  
REV. NO.: 3

A. MAXIMUM RATING:
1. Input Power Level: 10 dBm
2. DC Voltage: 3V
3. Operating Temperature: 0°C to +50°C
4. Storage Temperature: -30°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</td>
<td>Fc</td>
<td>MHz</td>
<td>675</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss at Center Frequency</td>
<td>ILc</td>
<td>dB</td>
<td>1.6</td>
<td>2.2</td>
<td>-</td>
</tr>
<tr>
<td>VSWR at Center Frequency</td>
<td></td>
<td>-</td>
<td>1.3</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>Attenuation (Reference level from ILc)</td>
<td>dB</td>
<td>608 ~ 614 MHz</td>
<td>20</td>
<td>60</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>dB</td>
<td>736 ~ 742 MHz</td>
<td>20</td>
<td>65</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>dB</td>
<td>1283 ~ 1289 MHz</td>
<td>45</td>
<td>58</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>dB</td>
<td>1411 ~ 1417 MHz</td>
<td>45</td>
<td>55</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>dB</td>
<td>1958 ~ 1964 MHz</td>
<td>35</td>
<td>44</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>dB</td>
<td>2086 ~ 2092 MHz</td>
<td>33</td>
<td>40</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

50Ω  B  SAW Filter  E  50Ω
  A, C, D, F
D. OUTLINE DRAWING:

Note:
The base material is ceramic with Au over Ni plating. The plating thicknesses are:
- Electro Ni: 1.27~8.89 μm.
- Electro Au: 0.3~1.0 μm (solder pads only).
  0.3 μm Min. (Others)

E. PCB Footprint:
F. FREQUENCY CHARACTERISTICS:

![Graph showing frequency characteristics](image-url)
SAW Filter 675.0MHz
Model: TA0616A
Part No: MP01460
REV. NO.: 3

Reflection Functions:

S11

S22
G. PACKING:
1. REEL DIMENSION
   (Reel Count : 7"=1000 ; 13"=3000 )

2. TAPE DIMENSION
H. RECOMMENDED REFLOW PROFILE:

![Recommended Reflow Profile Graph]