2067.0MHz SAW Filter
Part No: MP01742

A. MAXIMUM RATING:
1. Input Power Level: 10 dBm
2. DC Voltage: 3V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS: (at 25°C)

<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>2067</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss (2037 ~ 2097 MHz)</td>
<td>IL</td>
<td>dB</td>
<td>-</td>
<td>4.9</td>
<td>6</td>
</tr>
<tr>
<td>Bandwidth at –3 dB level</td>
<td>BW3</td>
<td>MHz</td>
<td>80</td>
<td>87</td>
<td>-</td>
</tr>
<tr>
<td>Amplitude Ripple (2037 ~ 2097 MHz)</td>
<td>dB</td>
<td>-</td>
<td>1.2</td>
<td>2.3</td>
<td>-</td>
</tr>
<tr>
<td>VSWR (2037~2097 MHz)</td>
<td>dB</td>
<td>-</td>
<td>2</td>
<td>2.3</td>
<td>-</td>
</tr>
<tr>
<td>Group delay ripple (2037~2097MHz)</td>
<td>ns</td>
<td>-</td>
<td>8</td>
<td>15</td>
<td>-</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0 dB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2200~2300 MHz</td>
<td>dB</td>
<td>20</td>
<td>46</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2375~2490 MHz</td>
<td>dB</td>
<td>40</td>
<td>45</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

50Ω  B  SAW Filter  E  50Ω
A, C, D, F
2067.0MHz SAW Filter
Model: TA0879A
Part No: MP01742

D. OUTLINE DRAWING:

E : Output
A,C,D,F : Ground
Unit : mm

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:

![Frequency Characteristics Graph]

![Frequency Characteristics Graph 2]
Reflection Functions:

S11

S22
2067.0MHz SAW Filter
Part No: MP01742

Model: TA0879A
REV NO.: 1

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

2. TAPE DIMENSION
**H. RECOMMENDED REFLOW PROFILE:**

![Reflow Profile Graph](image-url)