### A. MAXIMUM RATING:
1. Input Power Level: 12 dBm
2. DC Voltage: 3V
3. Operating Temperature: -20°C to +75°C
4. Storage Temperature: -40°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>MHz</td>
<td>-</td>
<td>710</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Insertion loss (704~716MHz)</td>
<td>IL</td>
<td>-</td>
<td>1.6</td>
<td>4.5</td>
<td>-</td>
</tr>
<tr>
<td>Amplitude Ripple (704 ~ 716 MHz)</td>
<td>dB</td>
<td>-</td>
<td>0.8</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>Group Delay Variation (704~716 MHz)</td>
<td>ns</td>
<td>-</td>
<td>20</td>
<td>45</td>
<td>-</td>
</tr>
</tbody>
</table>

**Attenuation (Reference level from 0 dB)**

| 0 ~ 613 MHz                                         | dB   | 37   | 41   | -    | -    |
| 613 ~ 663 MHz                                       | dB   | 37   | 42   | -    | -    |
| 663 ~ 690 MHz                                       | dB   | 20   | 40   | -    | -    |
| 734 ~ 746 MHz                                       | dB   | 35   | 55   | -    | -    |
| 763 ~ 813 MHz                                       | dB   | 40   | 44   | -    | -    |
| 813 ~ 1000 MHz                                      | dB   | 38   | 44   | -    | -    |
| 1000 ~ 1500 MHz                                     | dB   | 25   | 44   | -    | -    |

**Temperature Coefficient of Frequency**

|        | Ppm/°C | - | 35 | - | - |

### C. MEASUREMENT CIRCUIT:

- HP Network analyzer
- SAW Filter
- 50Ω
- A, C, D, F
SAW Filter 710 MHz
Model: TA0881A
Part No: MP01767

D. OUTLINE DRAWING:

2: Input
6: Output
1, 3, 4, 5, 7, 8: Ground
Unit: mm

E. PCB FOOTPRINT:
SAW Filter 710 MHz
Part No: MP01767

Model: TA0881A
REV NO.: 1

F. FREQUENCY CHARACTERISTICS:

![Graph 1](image1)

![Graph 2](image2)
Reflection Functions:

**S11**

![Graph of S11](image)

**S22**

![Graph of S22](image)
G. PACKING:
1. REEL DIMENSION
   (Reel Count: 7"=1000; 13"=3000)

2. TAPE DIMENSION

Direction of Feed
H. RECOMMENDED REFLOW PROFILE:

![Graph of temperature vs. time](image-url)