SAW Filter 740MHz
Part No: MP02683

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>740</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Insertion loss (734~746MHz)</td>
<td>IL</td>
<td>-</td>
<td>1.6</td>
<td>4.5</td>
<td>-</td>
</tr>
<tr>
<td>Amplitude Ripple (734 ~ 746 MHz)</td>
<td>dB</td>
<td>-</td>
<td>0.7</td>
<td>2</td>
<td>-</td>
</tr>
<tr>
<td>Group Delay Variation (734~746 MHz)</td>
<td>ns</td>
<td>-</td>
<td>20</td>
<td>45</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>0 ~ 643 MHz</td>
<td>dB</td>
<td>37</td>
<td>43.5</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>643 ~ 693 MHz</td>
<td>dB</td>
<td>37</td>
<td>45</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>693 ~ 716 MHz</td>
<td>dB</td>
<td>20</td>
<td>53</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>766 ~ 793 MHz</td>
<td>dB</td>
<td>35</td>
<td>51</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>793 ~ 843 MHz</td>
<td>dB</td>
<td>40</td>
<td>47</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>843 ~ 1000 MHz</td>
<td>dB</td>
<td>38</td>
<td>47</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>1000 ~ 1500 MHz</td>
<td>dB</td>
<td>25</td>
<td>47</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Temperature Coefficient of Frequency</td>
<td>Ppm/°C</td>
<td>-</td>
<td>-35</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer
50Ω B SAW Filter E 50Ω
A, C, D, F

TA0882A v1
D. OUTLINE DRAWING:

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

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:

![Graph showing frequency characteristics of a SAW Filter 740MHz.](image)

- **Part No:** MP02683
- **Model:** TA0882A
- **Rev. No.:** 1

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**SAW Filter 740MHz**

**Part No:** MP02683

**Model:** TA0882A

**Rev. No.:** 1

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**F. FREQUENCY CHARACTERISTICS:**

![Graph showing frequency characteristics of a SAW Filter 740MHz.](image)
SAW Filter 740MHz
Model: TA0882A
Part No: MP02683

Reflection Functions:

S11

S22
G. PACKING:

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

2. TAPE DIMENSION

[Diagram of tape dimension with annotations]

Direction of Feed
H. RECOMMENDED REFLOW PROFILE:

![Recommended Reflow Profile Graph]

The graph shows the recommended reflow profile for the SAW Filter 740MHz Model TA0882A Part No. MP02683. The temperature is plotted against time, highlighting the recommended heating and cooling rates to ensure proper soldering and component integrity.