SAW Filter 446.0MHz  
Model: TA1291A  
Part No: MP04720  
Rev No: 1

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -10°C to +50°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>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency Fc</td>
<td>MHz</td>
<td>-</td>
<td>446</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss (444 ~ 448MHz) IL</td>
<td>dB</td>
<td>-</td>
<td>2.9</td>
<td>4.5</td>
</tr>
<tr>
<td>Amplitude Ripple (444 ~ 448MHz)</td>
<td>dB</td>
<td>-</td>
<td>1.1</td>
<td>2.0</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0dB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fc -100 ~ Fc -40.8MHz</td>
<td>dB</td>
<td>45</td>
<td>66</td>
<td>-</td>
</tr>
<tr>
<td>Fc +40.8 ~ Fc +100MHz</td>
<td>dB</td>
<td>45</td>
<td>49</td>
<td>-</td>
</tr>
<tr>
<td>Temperature coefficient of frequency</td>
<td>ppm/k</td>
<td>-</td>
<td>-36</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

[Diagram of measurement circuit]
D. OUTLINE DRAWING:

E. PCB FOOTPRINT:
F. FREQUENCY CHARACTERISTICS:

![Graph of frequency characteristics for SAW Filter 446.0MHz.](image)
G. PACKING:

1. Reel Dimension

2. Tape Dimension

Direction of Feed
H. RECOMMENDED REFLOW PROFILE:

![Graph showing temperature vs. time]