SAW Filter 915.30MHz  
Model: TA0832A  
Part No: MP04311  
Rev No: 2

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -20°C to +75°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS: (Ambient temperature: 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 Fc</td>
<td>MHz</td>
<td>-</td>
<td>915.3</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss at Fc IL</td>
<td>dB</td>
<td>-</td>
<td>1.3</td>
<td>3.5</td>
<td>-</td>
</tr>
<tr>
<td>Lower 3dB Band Edge</td>
<td>MHz</td>
<td>-</td>
<td>901</td>
<td>904.4</td>
<td>-</td>
</tr>
<tr>
<td>Upper 3dB Band Edge</td>
<td>MHz</td>
<td>926.2</td>
<td>928.5</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Amplitude Variation (904.4 ~ 926.2MHz)</td>
<td>dB</td>
<td>-</td>
<td>1.5</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Group Delay Variation (904.4 ~ 926.2MHz)</td>
<td>ns</td>
<td>-</td>
<td>35</td>
<td>80</td>
<td>-</td>
</tr>
<tr>
<td>Attenuation (Reference level from IL)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>200 ~ 888.3MHz</td>
<td>dB</td>
<td>35</td>
<td>43</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>888.3 ~ 894MHz</td>
<td>dB</td>
<td>15</td>
<td>21</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>942.3 ~ 1400MHz</td>
<td>dB</td>
<td>40</td>
<td>46</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Temperature Coefficient of Frequency</td>
<td>ppm/°C</td>
<td>-</td>
<td>-36</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

C. MEASUREMENT CIRCUIT:

HP Network analyzer

![Diagram](image)
SAW Filter 915.30MHz
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D. OUTLINE DRAWING:

E. PCB FOOTPRINT:

Dimensions in mm
F. FREQUENCY CHARACTERISTICS:

![Graph showing frequency characteristics of SAW Filter 915.30MHz Model: TA0832A Part No: MP04311 Rev No: 2](image)
Reflection Functions

S11

SAW Filter 915.30MHz
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S22

S22 Log Mag 5.000dB/Ref-25.000dB [F2]

S22 Smith 0+5x0 Scale 1.0000 [F3]

TA0832A v1
G. PACKING:

1. Reel Dimension

(Reel Count: 7” = 1000; 13” = 3000)

2. Tape Dimension

Direction of Feed
H. RECOMMENDED REFLOW PROFILE:

![Reflow Profile Graph](graph.png)