SAW Filter: 864.0MHz  Model: TA0735A
Part No: MP04299  Rev No: 1

A. MAXIMUM RATING:

1. Input Power Level: 5dBm
2. DC voltage: 3V
3. Operating Temperature: -10°C to +60°C
4. Storage Temperature: -40°C to +85°C

B. 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 ( F_c )</td>
<td>MH</td>
<td>-</td>
<td>864</td>
<td>-</td>
</tr>
<tr>
<td>Insertion loss 863 – 865MHz ( I_L )</td>
<td>dB</td>
<td>-</td>
<td>2.4</td>
<td>4.2</td>
</tr>
<tr>
<td>Amplitude ripple 863 – 865MHz</td>
<td>dB</td>
<td>-</td>
<td>0.3</td>
<td>1.3</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0dB)</td>
<td>dB</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>820 – 823MHz</td>
<td></td>
<td>38</td>
<td>44</td>
<td>-</td>
</tr>
<tr>
<td>841 – 844MHz</td>
<td></td>
<td>35</td>
<td>42</td>
<td>-</td>
</tr>
<tr>
<td>905 – 908MHz</td>
<td></td>
<td>40</td>
<td>47</td>
<td>-</td>
</tr>
<tr>
<td>Temperature coefficient of frequency</td>
<td>ppm/k</td>
<td>-</td>
<td>-36</td>
<td>-</td>
</tr>
<tr>
<td>Source impedance ( Z_s )</td>
<td>Ω</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td>Load impedance ( Z_L )</td>
<td>Ω</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
</tbody>
</table>

Note: No matching network required for operation at 50Ω

C. MEASUREMENT CIRCUIT:

```
 HP Network analyzer

  50Ω  2  SAW Filter  6  50Ω
    1,3,4,5,7,8
```
D. FREQUENCY CHARACTERISTICS:

Transfer Function

**D. FREQUENCY CHARACTERISTICS:**

Transfer Function

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**D. FREQUENCY CHARACTERISTICS:**

Transfer Function
E. OUTLINE DRAWING:

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

F. PCB FOOTPRINT:
G. PACKING:

1. Reel Dimension

2. Tape Dimension
H. REFLOW PROFILE:

Recomended Reflow Profile