SAW Filter 925.0MHz  
Model: TA0754A  
Part No: MP04346  
Rev. No: 2

A. MAXIMUM RATING:  
Electrostatic Sensitive Device (ESD)

1. Input Power Level: 10 dBm  
2. DC voltage: 5 V  
3. Operating Temperature: -20°C to 75°C  
4. Storage Temperature: -40°C to +85°C

B. CHARACTERISTICS:

<table>
<thead>
<tr>
<th>Item</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency Fc MHz</td>
<td>-</td>
<td>925</td>
<td>-</td>
</tr>
<tr>
<td>Insertion loss 922 ~ 928MHz IL (dB)</td>
<td>-</td>
<td>2.9</td>
<td>4.2</td>
</tr>
<tr>
<td>Amplitude ripple 922 ~ 928MHz (dB)</td>
<td>-</td>
<td>0.4</td>
<td>2.0</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0dB)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>775 ~ 835MHz (dB)</td>
<td>40</td>
<td>46</td>
<td>-</td>
</tr>
<tr>
<td>835 ~ 895MHz (dB)</td>
<td>36</td>
<td>45</td>
<td>-</td>
</tr>
<tr>
<td>970 ~ 992MHz (dB)</td>
<td>36</td>
<td>46</td>
<td>-</td>
</tr>
<tr>
<td>992 ~ 1075MHz (dB)</td>
<td>38</td>
<td>44</td>
<td>-</td>
</tr>
<tr>
<td>Source impedance ZS (Ω)</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
<tr>
<td>Load impedance ZL (Ω)</td>
<td>-</td>
<td>50</td>
<td>-</td>
</tr>
</tbody>
</table>

Note. No matching network required for operation at 50Ω

C. MEASUREMENT CIRCUIT:
1. Transfer Function:

2. Wideband
SAW Filter 925.0MHz  
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D. OUTLINE DRAWING:

B: Input 
E: Output 
A, C, D, F: Ground 
Unit: mm

E. PCB FOOTPRINT:
F. PACKING:

1. Reel Dimension (Please refer to FR-75D10 for packing quantity)

2. Tape Dimension

SECTION A-A

Direction of Feed
G. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150 ~ 180°C for 60 ~ 90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
   3. Heating shall be fixed at 220°C for 50 ~ 80 seconds and at 245 ~ 260°C peak (min. 10 sec).
4. Time: 2 times.

![Pb Free IR Reflow Profile Diagram]