SAW Filter 930MHz

Model: TA0254A

Part No: MA05608

Rev No: 1

A. MAXIMUM RATING:

1. Input Power Level: 13dBm
2. DC voltage: 0V
3. Operating Temperature: 0°C to +70°C
4. Storage Temperature: -20°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Min.</th>
<th>Typ.</th>
<th>Max.</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center Frequency Fc</td>
<td>-</td>
<td>930</td>
<td>-</td>
<td>MHz</td>
</tr>
<tr>
<td>Insertion Loss IL within 920 ~ 940MHz</td>
<td>-</td>
<td>2.2</td>
<td>3</td>
<td>dB</td>
</tr>
<tr>
<td>Amplitude Ripple (p-p) within 920 ~ 940MHz</td>
<td>-</td>
<td>0.4</td>
<td>1</td>
<td>dB</td>
</tr>
<tr>
<td>Attenuation (Reference level from 0dB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DC ~ 890MHz</td>
<td>25</td>
<td>29</td>
<td>-</td>
<td>dB</td>
</tr>
<tr>
<td>970 ~ 2000MHz</td>
<td>25</td>
<td>31</td>
<td>-</td>
<td>dB</td>
</tr>
<tr>
<td>Return Loss within 920 ~ 940MHz</td>
<td>12</td>
<td>15</td>
<td>-</td>
<td>dB</td>
</tr>
<tr>
<td>Group Delay Variation in any 2MHz Bandwidth</td>
<td>-</td>
<td>4</td>
<td>7</td>
<td>ns</td>
</tr>
<tr>
<td>Source impedance Z_S</td>
<td>-</td>
<td>50</td>
<td>-</td>
<td>Ω</td>
</tr>
<tr>
<td>Load impedance Z_L</td>
<td>-</td>
<td>50</td>
<td>-</td>
<td>Ω</td>
</tr>
</tbody>
</table>

Note: No matching network required for operation at 50Ω
C. FREQUENCY CHARACTERISTICS:

Transfer function

Wideband Response
SAW Filter 930MHz  
Model: TA0254A  
Part No: MA05608  
Rev No: 1

Input VSWR

Output VSWR
Group Delay

D. MEASUREMENT CIRCUIT:

HP Network analyzer

50 Ω  SAW Filter  50 Ω

A, C, D, F

E. OUTLINE DRAWING:
F. PACKING:

1. Reel Dimension

2. Tape Dimension