SAW Filter 930.50MHz
Model: TA930GC
Part No: MA05186
Rev. No: 4

A. MAXIMUM RATING:

1. Input Power Level: 0 dBm
2. DC voltage: 10 V
3. Operating Temperature: -30°C to +70°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Specification</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency Fc (MHz)</td>
<td>930.5</td>
<td>1</td>
</tr>
<tr>
<td>IL (928.5 ~ 932.5MHz) (dB)</td>
<td>4.5 max.</td>
<td></td>
</tr>
<tr>
<td>Ripple(928.5 ~ 932.5MHz) (dB)</td>
<td>2.0 max.</td>
<td>1</td>
</tr>
<tr>
<td>Attenuation: (Reference level from 0dB)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>400 ~ 880MHz (dB)</td>
<td>35 min.</td>
<td>1</td>
</tr>
<tr>
<td>884.8 ~ 890.2MHz (dB)</td>
<td>40 min.</td>
<td>1</td>
</tr>
<tr>
<td>906.8 ~ 911.2MHz (dB)</td>
<td>30 min.</td>
<td>1</td>
</tr>
<tr>
<td>980 ~ 1300 MHz (dB)</td>
<td>35 min.</td>
<td>1</td>
</tr>
<tr>
<td>Impedance at Fc: Input Impedance</td>
<td>50-j57ohm</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>50-j57ohm</td>
<td></td>
</tr>
</tbody>
</table>

Note 1: The standard definitions is in JIS C 6703

Note 2:

Source impedance
50Ω
Zin=50-j57ohm

Load impedance
50Ω
Zout=50-j57ohm
C. FREQUENCY CHARACTERISTICS:

![Frequency Characteristics Diagram]

![Frequency Characteristics Diagram]
D. MEASUREMENT CIRCUIT:

HP Network analyzer

[Diagram of measurement circuit including 50Ω, SAW Filter, 10nH components, and labeled A, C, D, F connections]

E. OUTLINE DRAWING:

[Outline drawing with dimensions and labels #E: Input, #B: Output, #A, C, D, F: Ground, Unit: mm]

F. PCB FOOTPRINT:

[PCB footprint diagram with dimensions in mm, labeled 1.27, 0.70, 1.0, 1.4]
G. PACKING:

1. Reel Dimension

2. Tape Dimension