SAW Filter for Pager 147.0MHz  Model: TA147FD
Part No: MA04019  Rev No: 6

A. MAXIMUM RATING:

1. Input Power Level: 0dBm
2. DC voltage: 10V
3. Operating Temperature: -10°C to +50°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Specification</th>
<th>Note</th>
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</thead>
<tbody>
<tr>
<td>Center frequency Fc (MHz)</td>
<td>147</td>
<td>1</td>
</tr>
<tr>
<td>IL (Within Fc ± 4MHz)</td>
<td>6.5 Max.</td>
<td>1</td>
</tr>
<tr>
<td>Amplitude Ripple, AR (Within Fc ± 4MHz) (dB)</td>
<td>2.1 Max.</td>
<td></td>
</tr>
<tr>
<td>Attenuation: (Reference level from 0dB) (dB)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fc -100MHz to -38.8MHz (dB)</td>
<td>50 Min.</td>
<td>1</td>
</tr>
<tr>
<td>Fc +38.8MHz to +100MHz (dB)</td>
<td>42 Min.</td>
<td></td>
</tr>
<tr>
<td>Impedance at Fc:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Input ZIN = R_IN // C_IN</td>
<td>390 Ω // 300 pF</td>
<td>2</td>
</tr>
<tr>
<td>Output ZOUT = R_OUT // C_OUT</td>
<td>1164 Ω // 374 pF</td>
<td>2</td>
</tr>
</tbody>
</table>

Note 1. The standard definitions is in JIS C 6703

Note 2.
C. FREQUENCY CHARACTERISTICS:

![Frequency Characteristic Graph 1]

![Frequency Characteristic Graph 2]
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D. MEASUREMENT CIRCUIT:

Network analyzer

50Ω

Cl

L1

C2

L2

50Ω

SAW Filter

1, 3, 5, 7

C1 = 8pF, L1 = 56nH
C2 = 12 pF, L2 = 47nH

E. OUTLINE DRAWING:

#2: Input
#6: Output
#1, 3, 5, 7: Ground
□: Date code
Unit: mm
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F. PACKING:

1. Reel Dimension

2. Tape Dimension