Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 139MHz

TST Parts No.: TA139E1

Customer Parts No.: ______________________

Company: ________________________________

Division: ________________________________

Approved by: ____________________________

Date: _________________________________

Checked by: ______ YJ Tien

Approval by: ______ Vincent Lee

Date: ______ 3.12.2003
SAW Filter 139 MHz
MODEL NO.: TA139E1

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

B. ELECTRICAL CHARACTERISTICS:

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Units</th>
<th>Minimum</th>
<th>Typical</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center frequency, $F_0$</td>
<td>MHz</td>
<td>-</td>
<td>139</td>
<td>-</td>
</tr>
<tr>
<td>Insertion Loss, $IL$ ($F_C \pm 4$ MHz)</td>
<td>dB</td>
<td>-</td>
<td>-</td>
<td>6.5</td>
</tr>
<tr>
<td>Attenuation ($Reference$ level from 0 dB)</td>
<td>dB</td>
<td>50</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>$F_C - 100$ MHz to -$38.8$MHz</td>
<td>dB</td>
<td>42</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>$F_C +38.8$ MHz to +100$MHz</td>
<td>dB</td>
<td>Zin: 210 // 13.5 ; Zout = 210 // 13.5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note1. The standard definitions is in JIS C 6703
Note2.
C. FREQUENCY CHARACTERISTICS:

![Frequency Characteristics Graph]

![Frequency Characteristics Graph]

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D. OUTLINE DRAWING:

![Outline Drawing Image]

E. TEST CIRCUIT

![Test Circuit Diagram]

0 dB Level

Network analyzer

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