Approval Sheet For Product Specification

Issued Date: Oct. 31, 2008

Product Name: SAW Filter 159.0125MHz SMD 7.0×5.0 mm

TST Parts No.: TA0942A

Customer Parts No.: ____________________________

Company: ____________________________

Division: ____________________________

Approved by: ____________________________

Date: ____________________________

Checked by: Anne Chen

Approval by: Francie Chen

Date: 2008/10/31
SAW Filter 159.0125 MHz
MODEL NO.: TA0942A
REV. NO.: 1

A. MAXIMUM RATING:
1. Input Power Level: 10 dBm
2. DC voltage: 5 V
3. Operating Temperature: -40°C to +70°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

<table>
<thead>
<tr>
<th>Item</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center Frequency Fc</td>
<td>MHz</td>
</tr>
<tr>
<td>Insertion Loss ILmin (reference level)</td>
<td>dB</td>
</tr>
<tr>
<td>Bandwidth BW-3dB</td>
<td>MHz</td>
</tr>
<tr>
<td>Absolute Attenuation (reference to ILmindB)</td>
<td>dB</td>
</tr>
<tr>
<td>Fc-50 ~ Fc-30</td>
<td>MHz 42</td>
</tr>
<tr>
<td>Fc-30 ~ Fc-15</td>
<td>MHz 36</td>
</tr>
<tr>
<td>Fc+30 ~ Fc+50</td>
<td>MHz 42</td>
</tr>
<tr>
<td>Source impedance Zs</td>
<td>Ω -50</td>
</tr>
<tr>
<td>Load impedance ZL</td>
<td>Ω -50</td>
</tr>
</tbody>
</table>

Note: ILmin is the minimum of the pass band attenuation. The center frequency Fc is the mean value of the upper and lower frequencies at the 3dB filter attenuation level relative to the ILmin.

MEASUREMENT CIRCUIT:

HP Network analyzer

50Ω → C → SAW Filter → E → 50Ω

A,C,D,E,F,H,J,K

TAI-SAW TECHNOLOGY CO., LTD.
No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.
TEL: 886-3-4690038    FAX: 886-3-4697532
E-mail: tstsales@mail.taisaw.com    Web: www.taisaw.com
C. Frequency Characteristics:

![Graph 1]

![Graph 2]
D. OUTLINE DRAWING:

Pin configuration

#G : Input
#B : Output
#A, C, D, E, F, H, J, K : grounded

△ = Year Code
□ = Date Code

Product Year Code

<table>
<thead>
<tr>
<th>Year</th>
<th>2001</th>
<th>2002</th>
<th>2003</th>
<th>2004</th>
<th>2005</th>
<th>2006</th>
<th>2007</th>
<th>2008</th>
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</thead>
<tbody>
<tr>
<td>Product Code</td>
<td>A</td>
<td>a</td>
<td>A</td>
<td>a</td>
<td>a</td>
<td>a</td>
<td>a</td>
<td>a</td>
</tr>
</tbody>
</table>

F. PCB Footprint:
G. PACKING:
1. REEL DIMENSION

2. TAPE DIMENSION
H. RECOMMENDED REFLOW PROFILE:

![Recommended Reflow Profile]

Graph showing the recommended reflow profile with time on the x-axis (in seconds) and temperature on the y-axis (in degrees Celsius). The profile includes a steady increase, a peak, and a subsequent decline.