Product Specifications Approval Sheet

Product Name: SAW Filter 160MHz SMD 7.0x5.0 mm (BW=8MHz)

TST Parts No.: TA2555A

Customer Parts No.: ____________________________

| Company: ________________________________ |
| Division: ________________________________ |
| Approved by: ____________________________ |
| Date: ________________________________ |

Checked by: __________ Hong Pu Lin

Approval by: __________ Andy Yu

Date: __________ 2019/09/04

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.
SAW Filter 160MHz
MODEL NO.: TA2555A

REVISION NO.: 1

A. MAXIMUM RATING:
1. Input Power Level: 20 dBm
2. DC voltage: 5 V
3. Operating Temperature: -10°C to +70°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: Level 1 (MSL1)

B. ELECTRICAL CHARACTERISTICS:

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit</th>
<th>Min</th>
<th>Type</th>
<th>Max</th>
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<tbody>
<tr>
<td>Center Frequency (Fc)</td>
<td>MHz</td>
<td>160</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Insertion Loss (156~164MHz)</td>
<td>dB</td>
<td>2</td>
<td>3.8</td>
<td></td>
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<tr>
<td>Passband (156~164MHz)</td>
<td>MHz</td>
<td>8</td>
<td>10</td>
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<tr>
<td>Attenuation (Reference level from 0dB)</td>
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<tr>
<td>110~130 MHz dB</td>
<td>42</td>
<td>51</td>
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<tr>
<td>130~145 MHz dB</td>
<td>36</td>
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<td>190~210 MHz dB</td>
<td>42</td>
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C. MEASUREMENT CIRCUIT:

HP Network analyzer

[Diagram of HP Network analyzer with 50Ω connections]
D. OUTLINE DRAWING:

Pin configuration:
7: Input
2: Output
1, 3, 4, 5, 6, 8, 9, 10: Ground
Unit: mm
△: Year Code
□: Date Code

Product Year Code

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Date Code Table:

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E. PCB Footprint:
F. Frequency Characteristics:
G. PACKING: (Ref. WI-75M03)
1. REEL DIMENSION

(Please refer to FR-75D10 for packing quantity)

2. TAPE DIMENSION
H. Recommended Reflow Profile:
1. Preheating shall be fixed at 150~180°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 260°C +0/-5°C peak (20~40sec).
4. Time: 2 times.