



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Approval Sheet For Product Specification

Issued Date: Mar, 19, 2009

Product Name: SAW Filter 403.5 MHz SMD 3.8X3.8 mm

TST Parts No.: TA0997A

Customer Parts No.: _____

| |
|---------------------|
| Company: _____ |
| Division: _____ |
| Approved by : _____ |
| Date: _____ |

Checked by: _____ Bob Chau *Bob Chau*

Approval by: _____ Francis Chen *Francis Chen*

Date: _____ 3, 19, 2009



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SAW Filter 403.5 MHz

MODEL NO.:TA0997A

REV. NO.:1

A. MAXIMUM RATING:

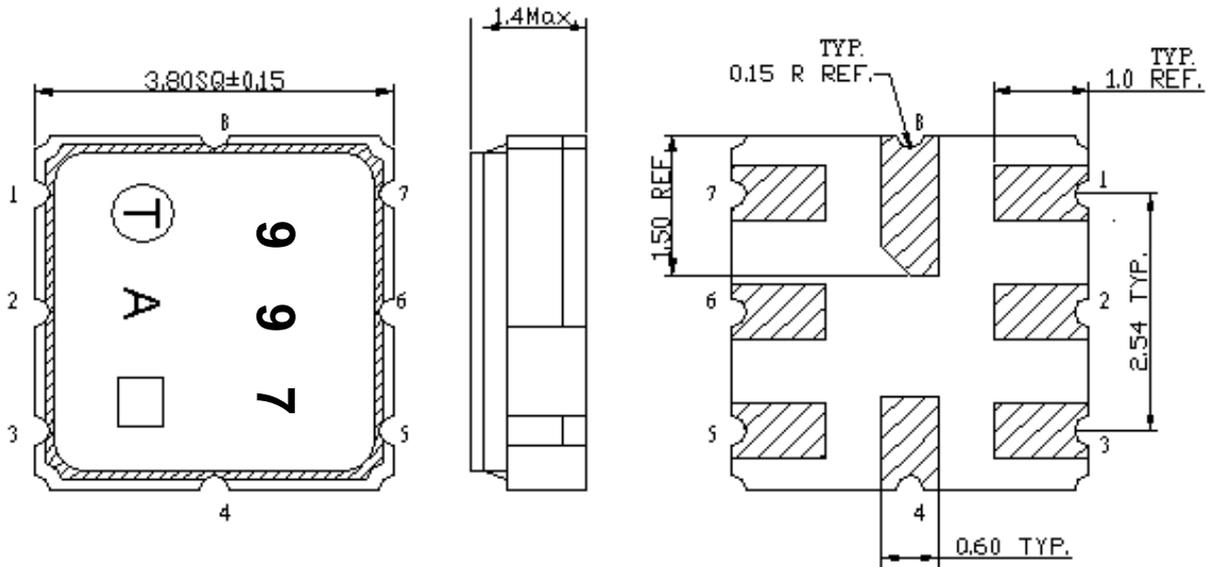
1. Input Power Level: 17 dBm
2. DC Voltage : 3V
3. Operating Temperature: +20°C to +50°C
4. Storage Temperature: -55°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

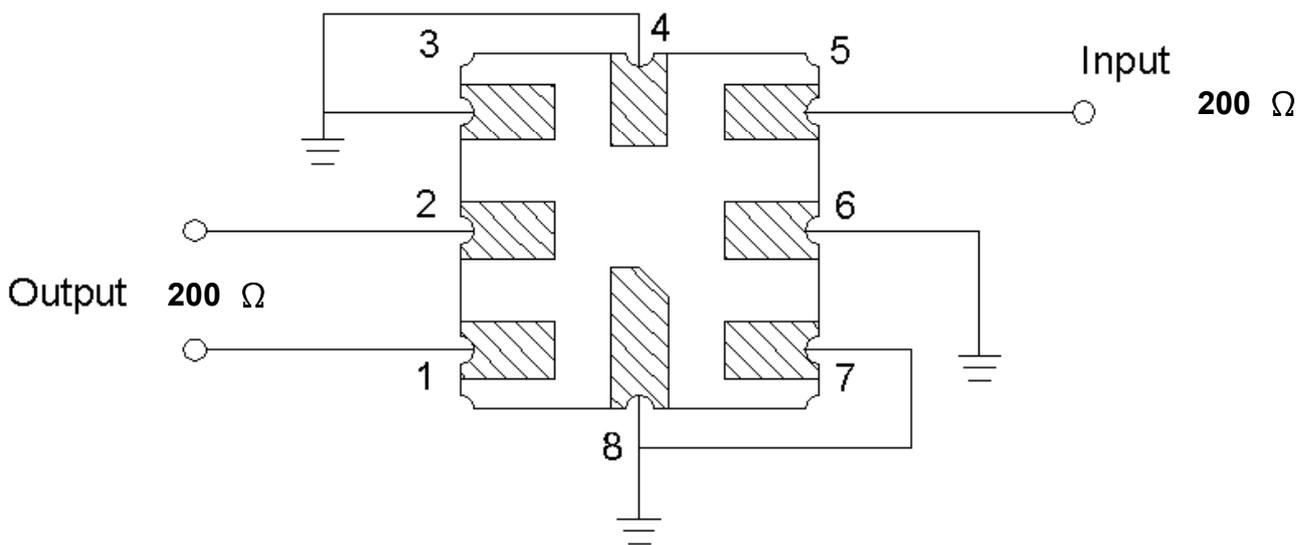
| Item | Unit | Min. | Typ. | Max. | Note |
|--|--------|------|-------|------|------|
| Center Frequency Fc | MHz | - | 403.5 | - | - |
| Min. Insertion loss (402~405MHz) IL | dB | - | 1.8 | 2.5 | - |
| Amplitude Ripple (402 ~ 405 MHz) | dB | - | 0.75 | 1.2 | - |
| Bandwidth | MHz | 3 | 5 | 10 | - |
| VSWR (402~405 MHz) | | - | 1.6 | 2.1 | - |
| Attenuation (Reference level from 0 dB) | | | | | |
| 0.3 ~ 359 MHz | dB | 50 | 55 | - | - |
| 359 ~ 391 MHz | dB | 40 | 56 | - | - |
| 391 ~ 397 MHz | dB | 15 | 38 | - | - |
| 411 ~ 415 MHz | dB | 10 | 31 | - | - |
| 415 ~ 423 MHz | dB | 20 | 41 | - | - |
| 423 ~ 448 MHz | dB | 35 | 56 | - | - |
| 448 ~ 500 MHz | dB | 52 | 60 | - | - |
| Temperature Coefficient of Frequency | ppm/°C | - | -36 | - | - |

C. OUTLINE DRAWING:

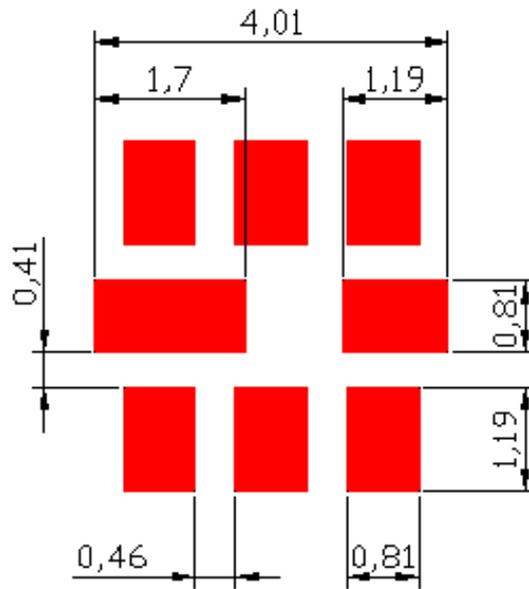


- 1 : Output
- 2 : Output
- 5: Input
- 6: Input RF Return
- 3,4,7,8: Ground
- : Date Code (W01->A, W02->B,...,W52->z)

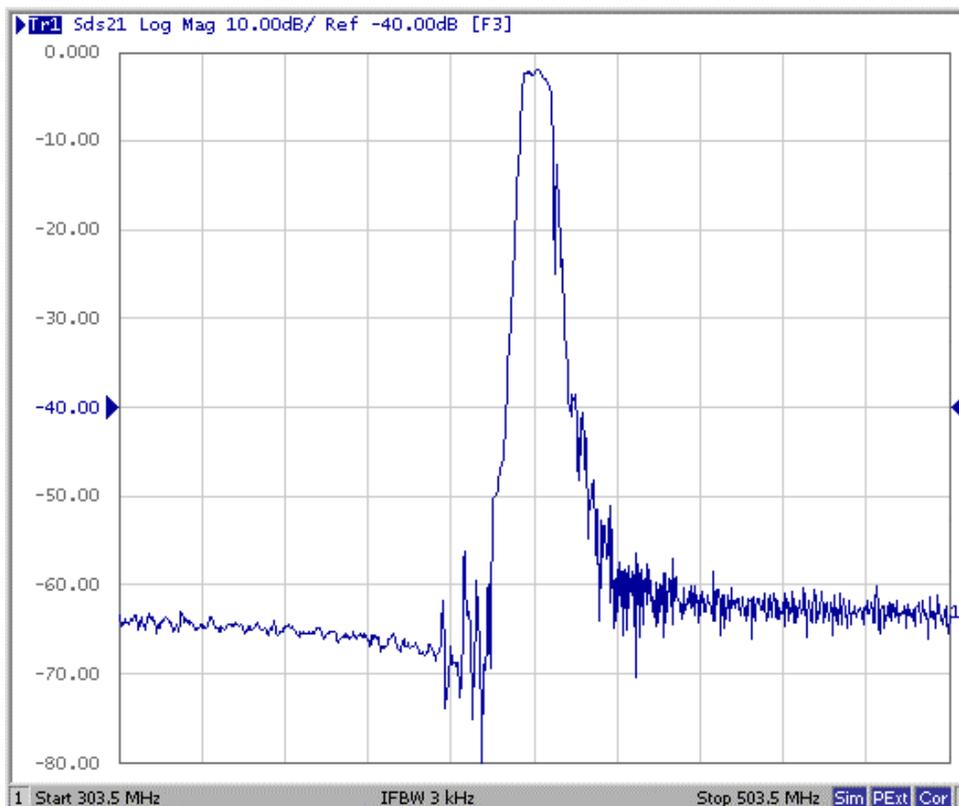
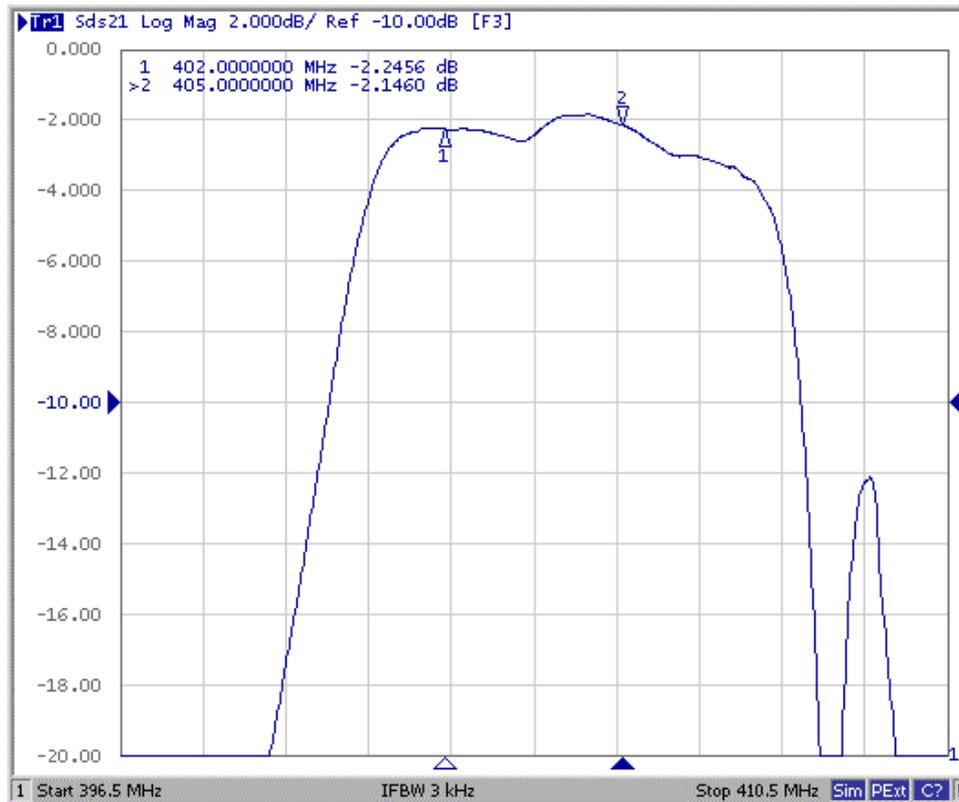
D. MEASUREMENT CIRCUIT:



E. PCB Footprint:

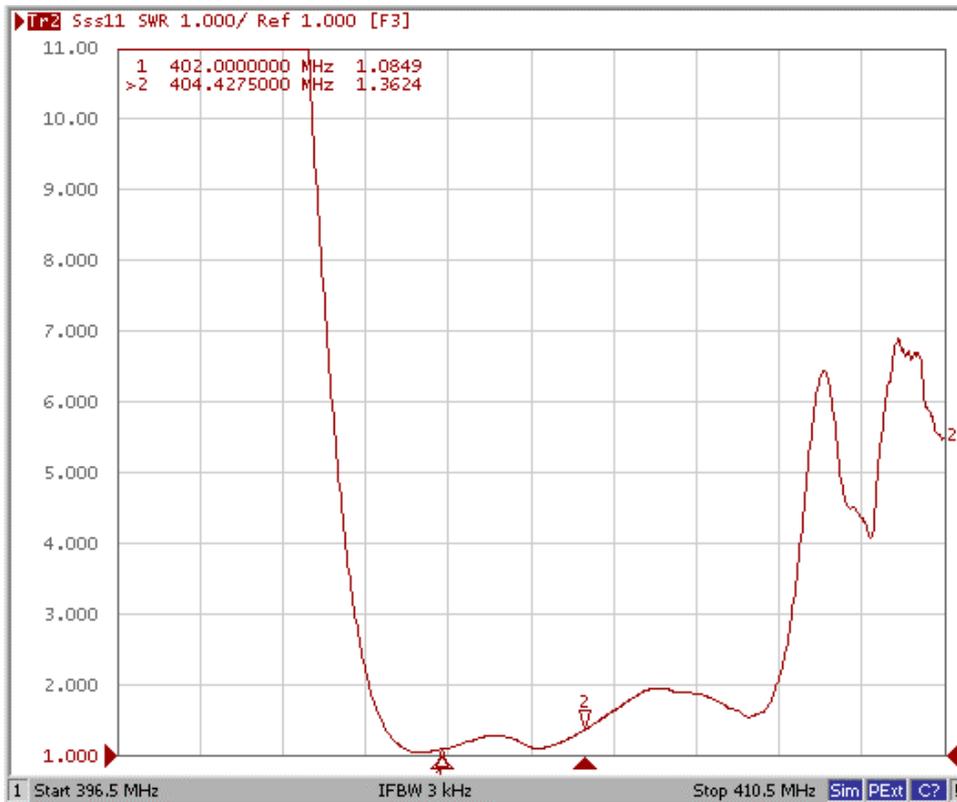


F. Frequency Characteristics :

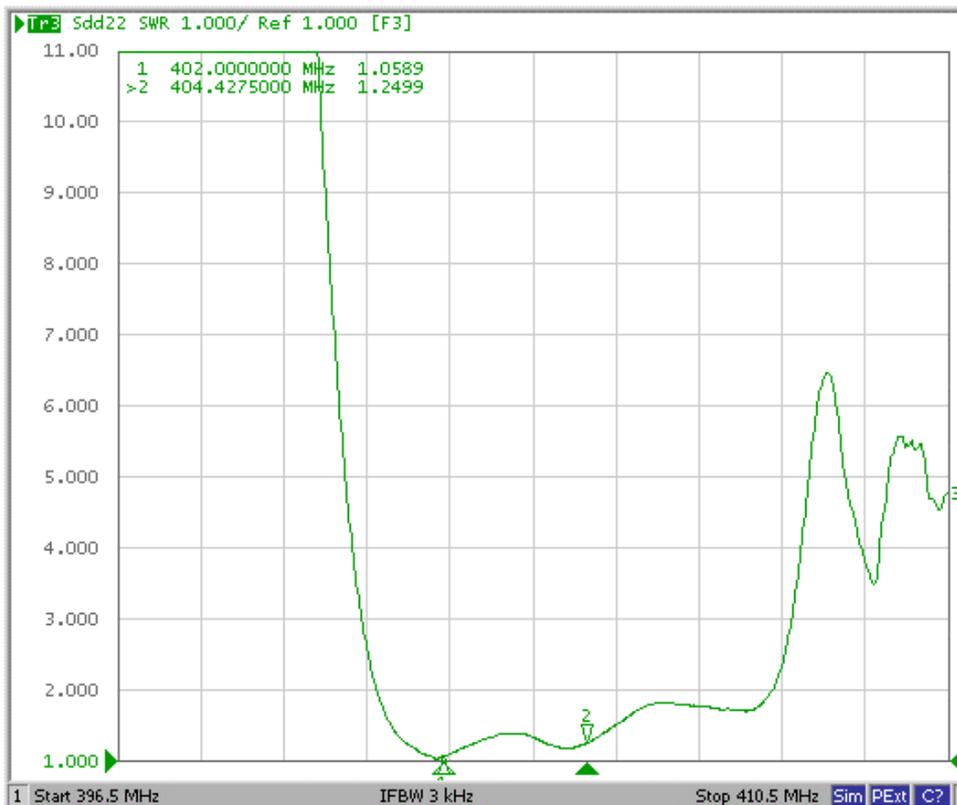


Reflection Functions :

S11



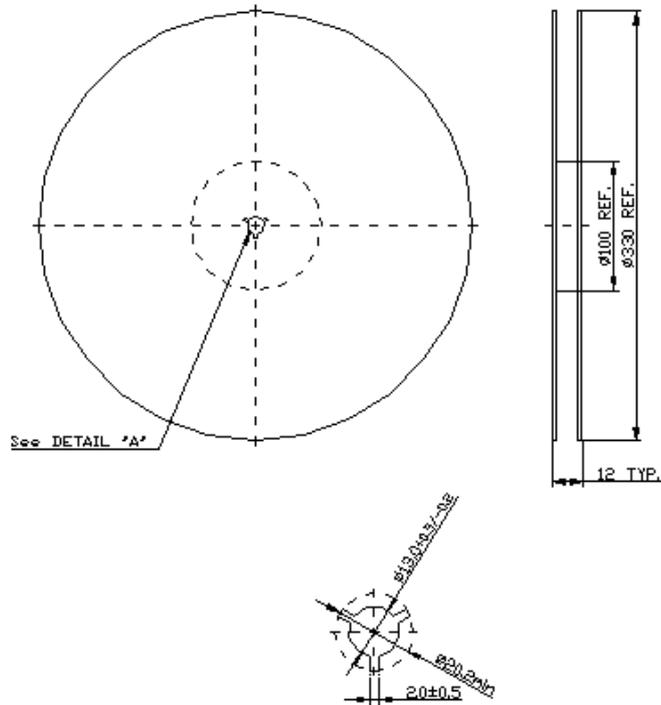
S22



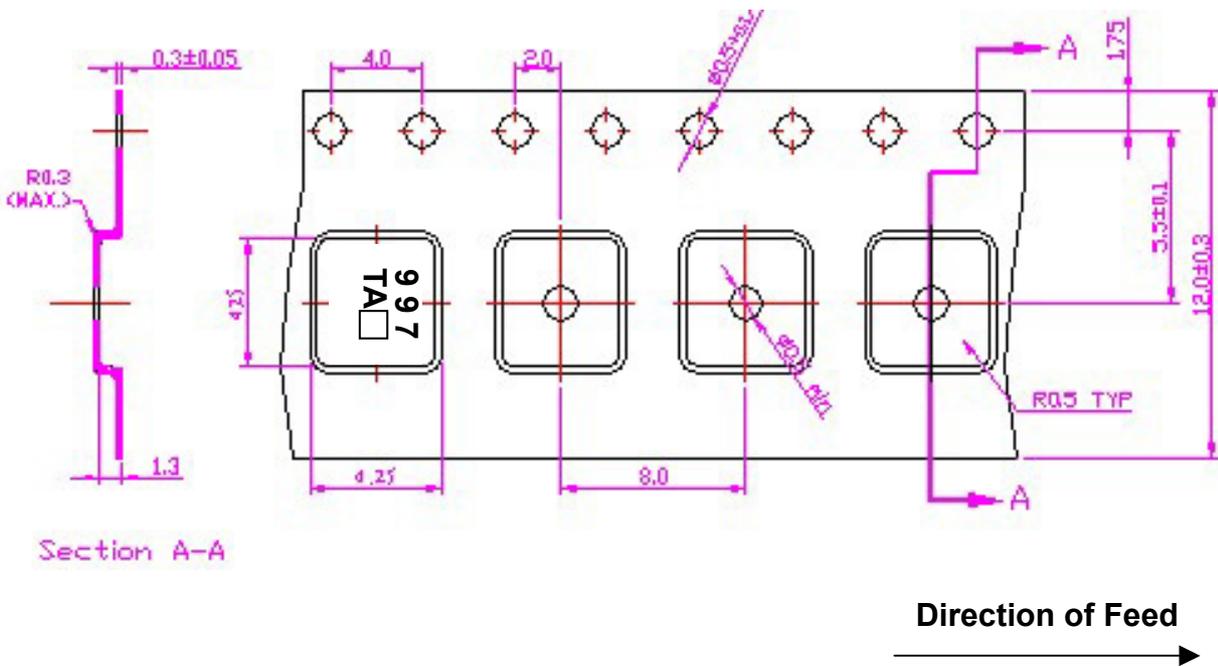
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7"=1000 ; 13"=3000)



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

