**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

# Product Specifications Approval Sheet

Product Description: SAW Filter 250MHz SMD 5.0X5.0 mm(BW=1MHz)

TST Part No.: TA0998A

Customer Part No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Paul Ni Paul Ni

Approved by: Francis Chen

Date: 2009/9/04

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.

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**SAW Filter 250 MHz**

MODEL NO.: TA0998A REV. NO：2.0

## A. MAXIMUM RATING:

RoHS Compliant
Lead free
Lead-free soldering

1.Input Power Level: 10 $dB_m$

2.DC voltage: 5 V

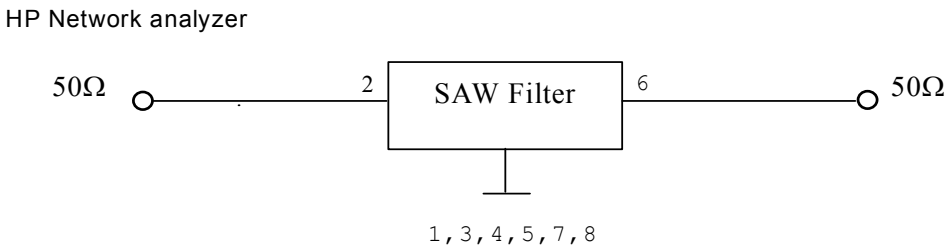
3.Operating Temperature: : -40°C to +85°C

4.Storage Temperature: -40°C to +85°C

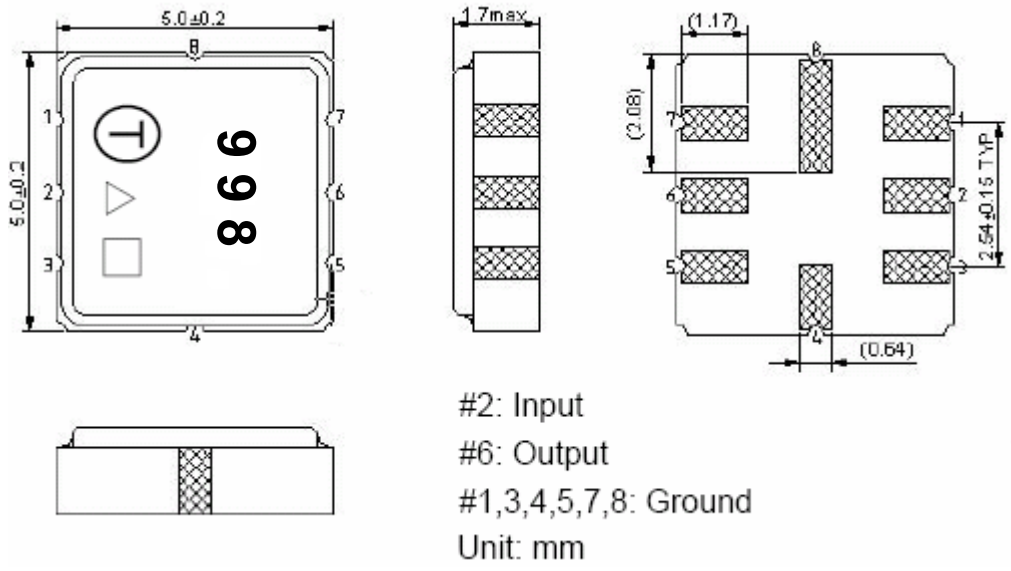
## B. ELECTRICAL CHARACTERISTICS:

| Item | | Min. | Typ. | Max. |
|---|---|---|---|---|
| **Center frequency** **Fc** | MHz | - | 250 | - |
| **Insertion loss** (249.9 ~ 250.9MHz) **IL** | dB | - | 2.05 | 3.8 |
| **Amplitude ripple** (249.9 ~ 250.9MHz) | dB | - | 0.13 | 1.8 |
| **Attenuation** (Reference level from 0 dB) | | | | |
| Fc-100 ~ Fc-40 MHz | dB | 45 | 66 | - |
| Fc+40 ~ Fc+400 MHz | dB | 43 | 58 | - |
| Fc+400 ~ Fc+450 MHz | dB | 40 | 63 | - |
| **Source impedance** Zs | Ω | - | 50 | - |
| **Load impedance** $Z_L$ | Ω | - | 50 | - |

## C. MEASUREMENT CIRCUIT:



## D.OUTLINE DRAWING:



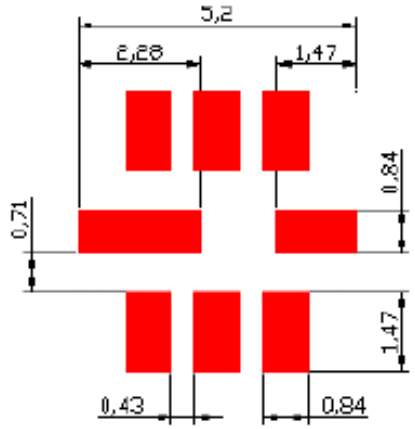

☐ Data code：See the table

| WK | 01 | 02 | … | 26 | 27 | 28 | … | 52 |
|---|---|---|---|---|---|---|---|---|
| Code | A | B | … | Z | a | b | … | z |

Δ Year code：See the table

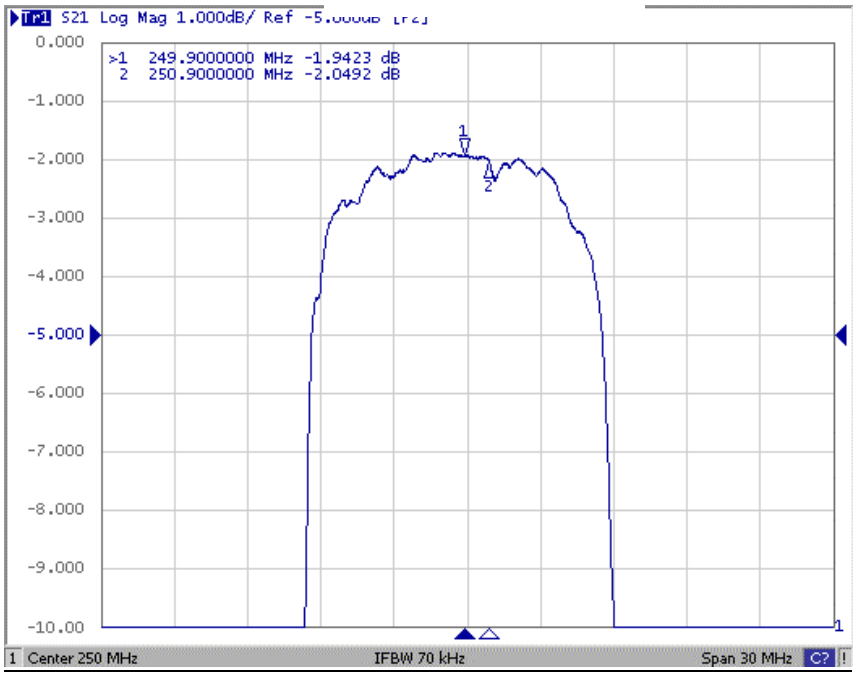
| Year | 2009 | 2010 | 2011 | 2012 |
|---|---|---|---|---|
| | 2013 | 2014 | 2015 | 2016 |
| Code | A | a | A | a |

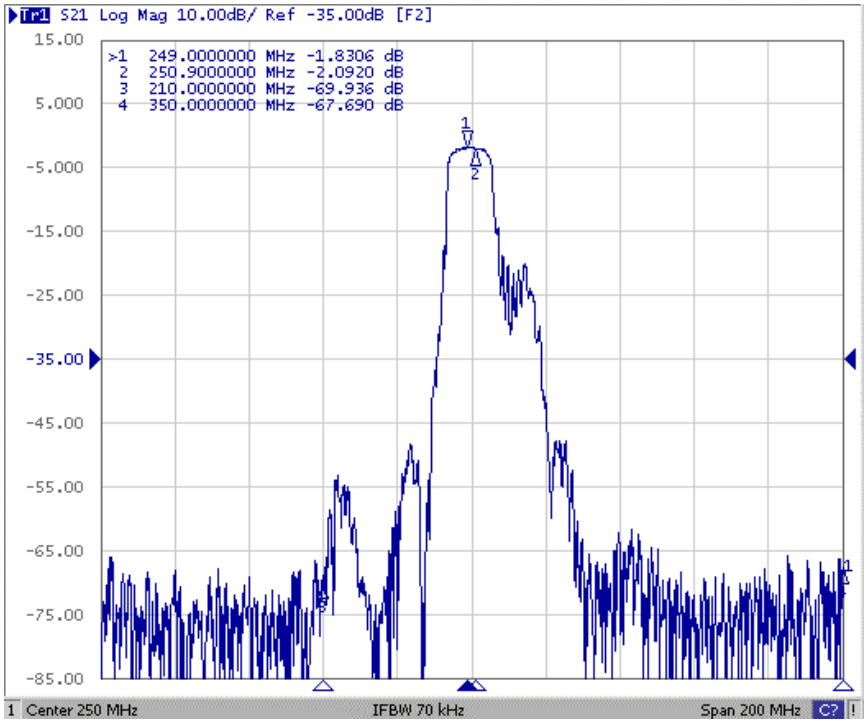
## E. PCB Footprint：

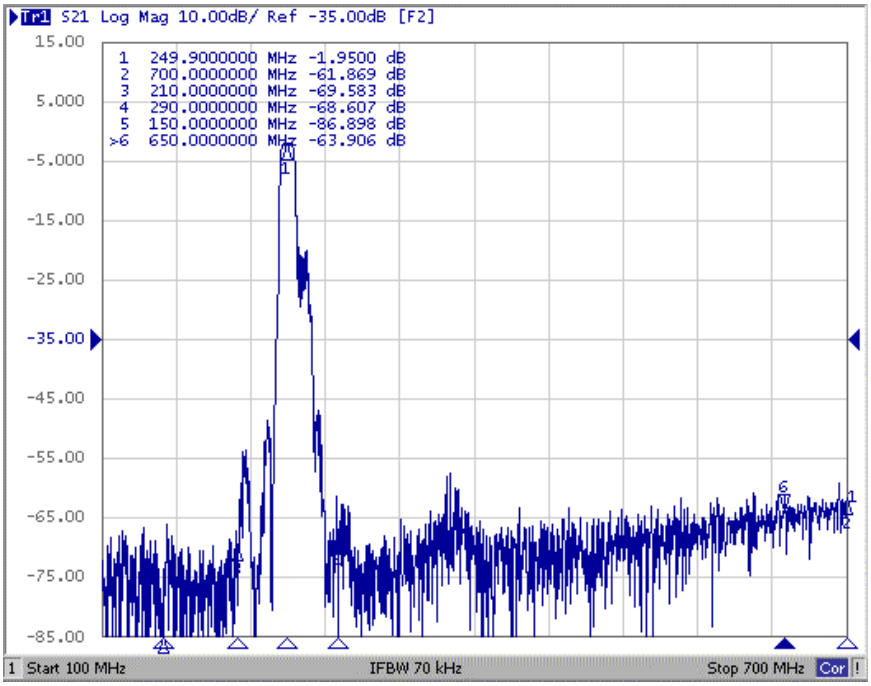


## F. Frequency Characteristics :

### Transfer function

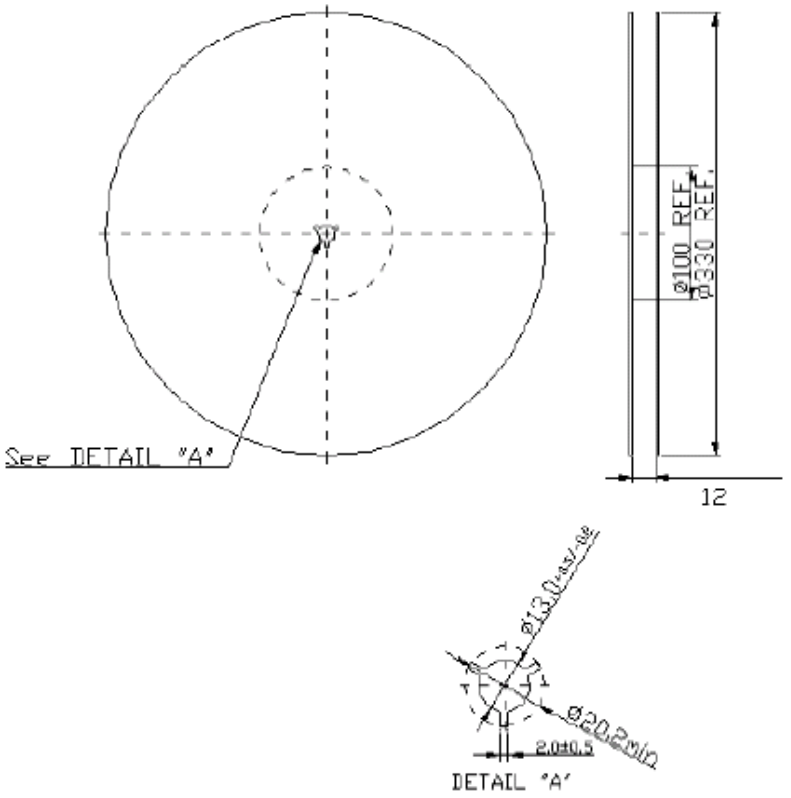


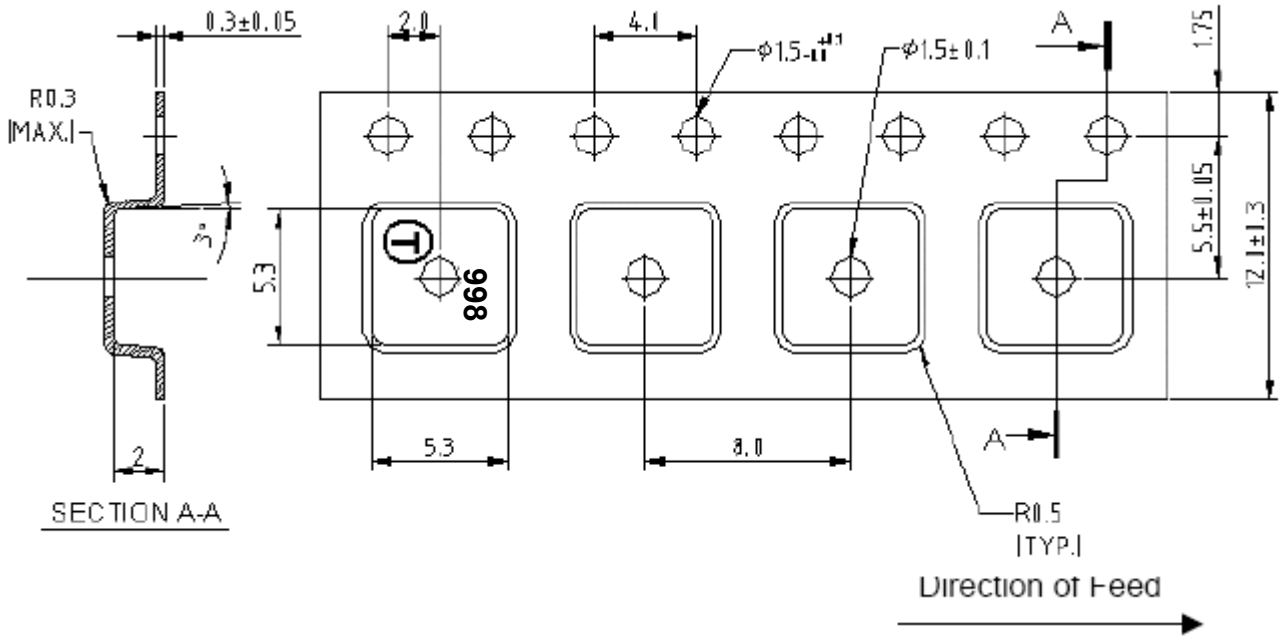



## G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION




H.RECOMMENDED REFLOW PROFILE: