



# 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

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## 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 *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:

1. Input Power Level: 10 dB<sub>m</sub>
2. DC voltage: 5 V
3. Operating Temperature: : -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

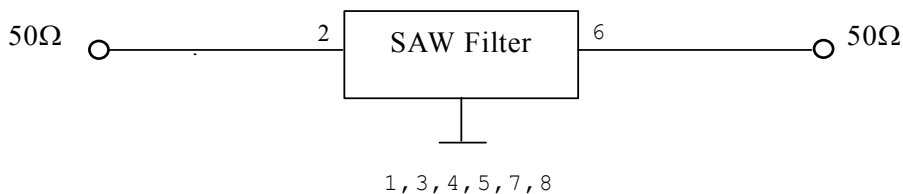
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

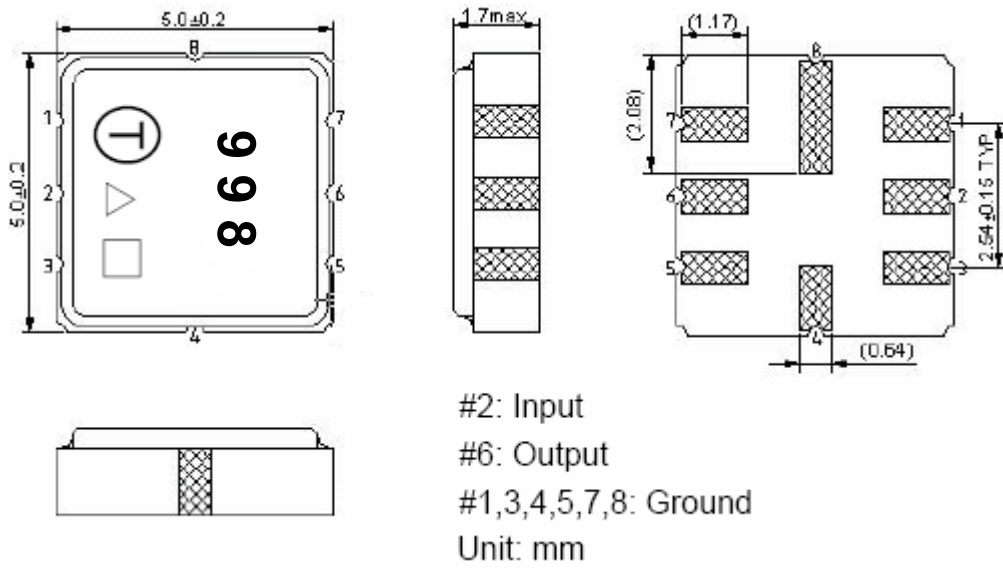
Item		Min.	Typ.	Max.
Center frequency	F <sub>c</sub> MHz	-	250	-
Insertion loss IL	(249.9 ~ 250.9MHz) dB	-	2.05	3.8
Amplitude ripple	(249.9 ~ 250.9MHz) dB	-	0.13	1.8
Attenuation (Reference level from 0 dB)				
F <sub>c</sub> -100 ~ F <sub>c</sub> -40	MHz dB	45	66	-
F <sub>c</sub> +40 ~ F <sub>c</sub> +400	MHz dB	43	58	-
F <sub>c</sub> +400 ~ F <sub>c</sub> +450	MHz dB	40	63	-
Source impedance	Z <sub>s</sub> Ω	-	50	-
Load impedance	Z <sub>L</sub> Ω	-	50	-

### C. MEASUREMENT CIRCUIT:

HP Network analyzer



**D.OUTLINE DRAWING:**



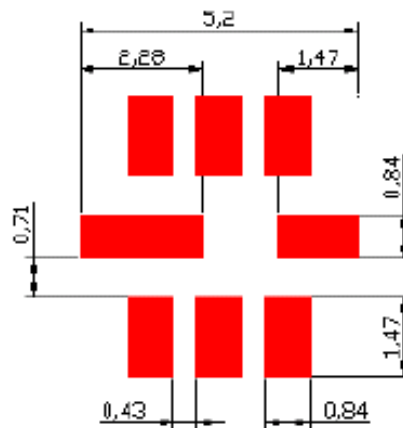
□ Data code : See the table

<b>WK</b>	01	02	...	26	27	28	...	52
<b>Code</b>	A	B	...	Z	a	b	...	z

△ Year code : See the table

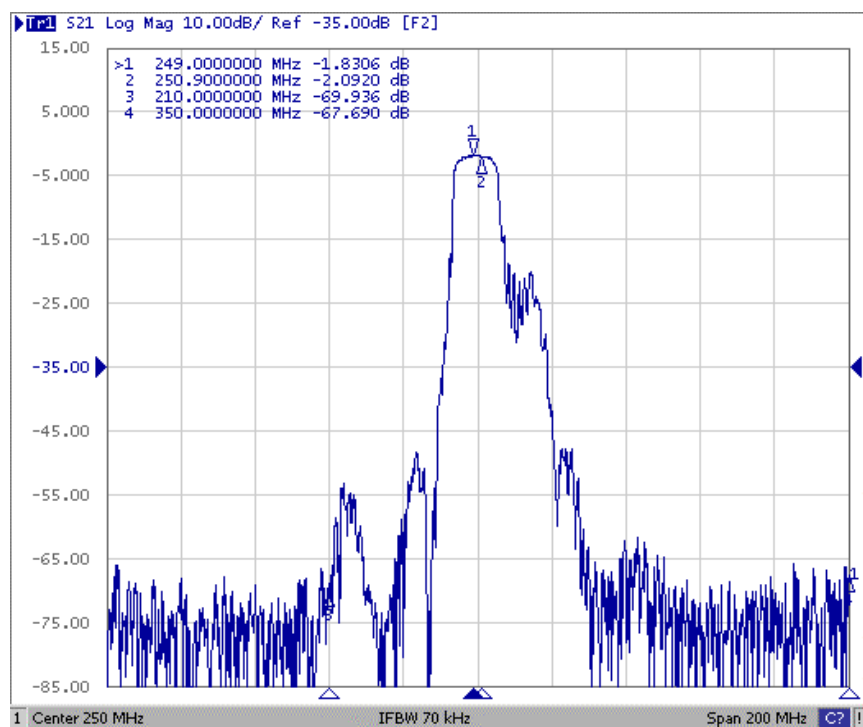
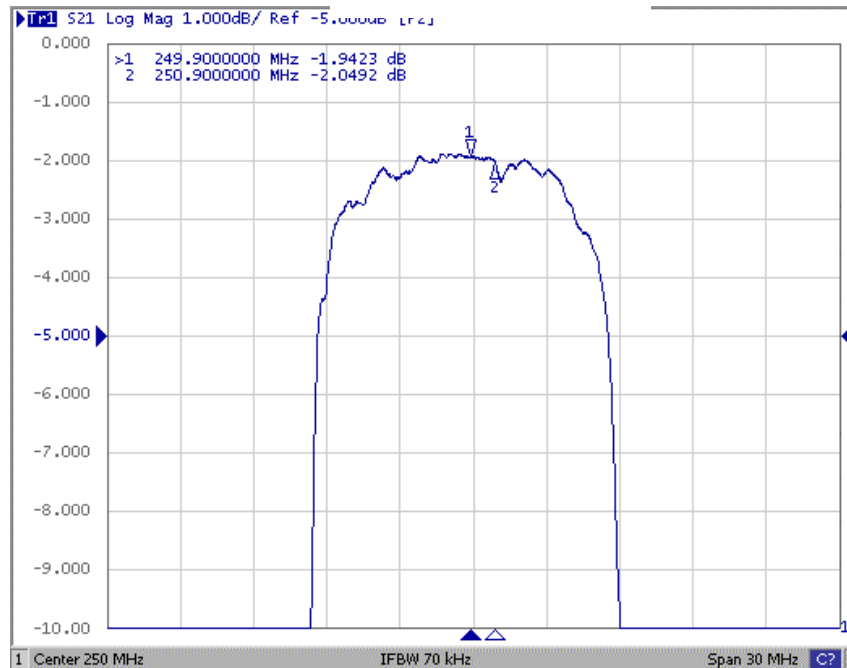
<b>Year</b>	2009	2010	2011	2012
	2013	2014	2015	2016
<b>Code</b>	A	a	<u>A</u>	<u>a</u>

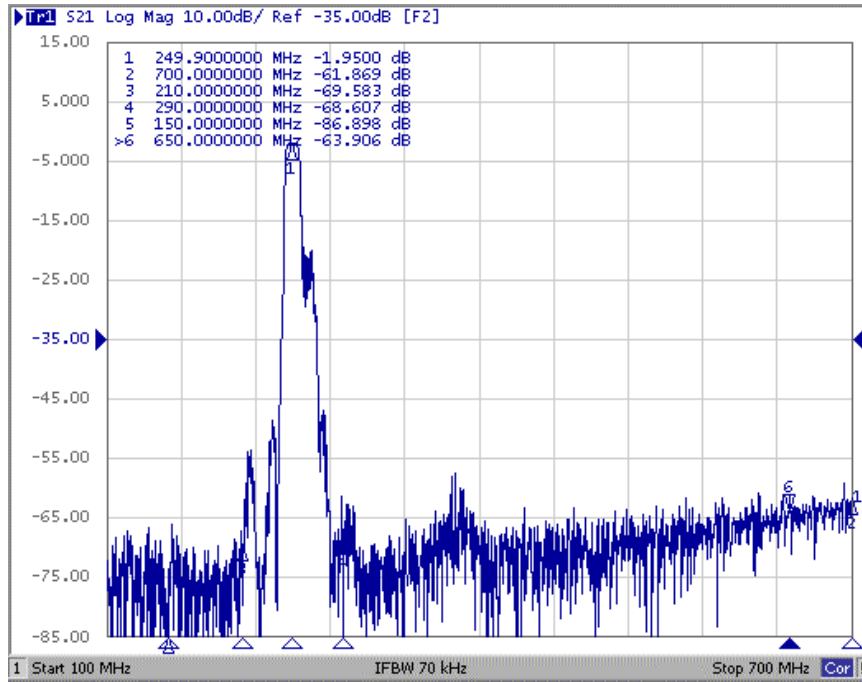
**E. PCB Footprint :**



## F. Frequency Characteristics :

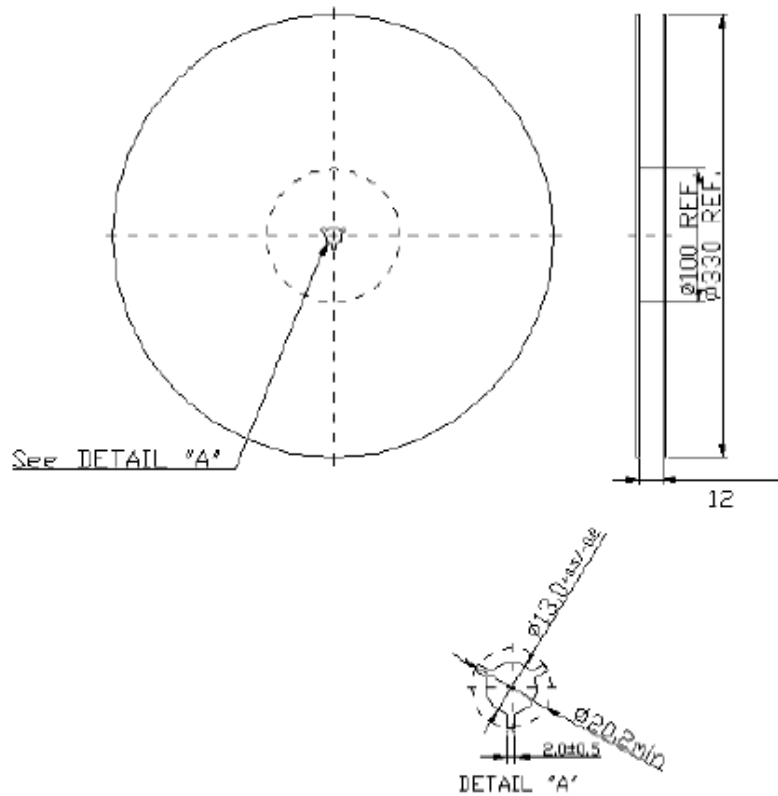
### Transfer function



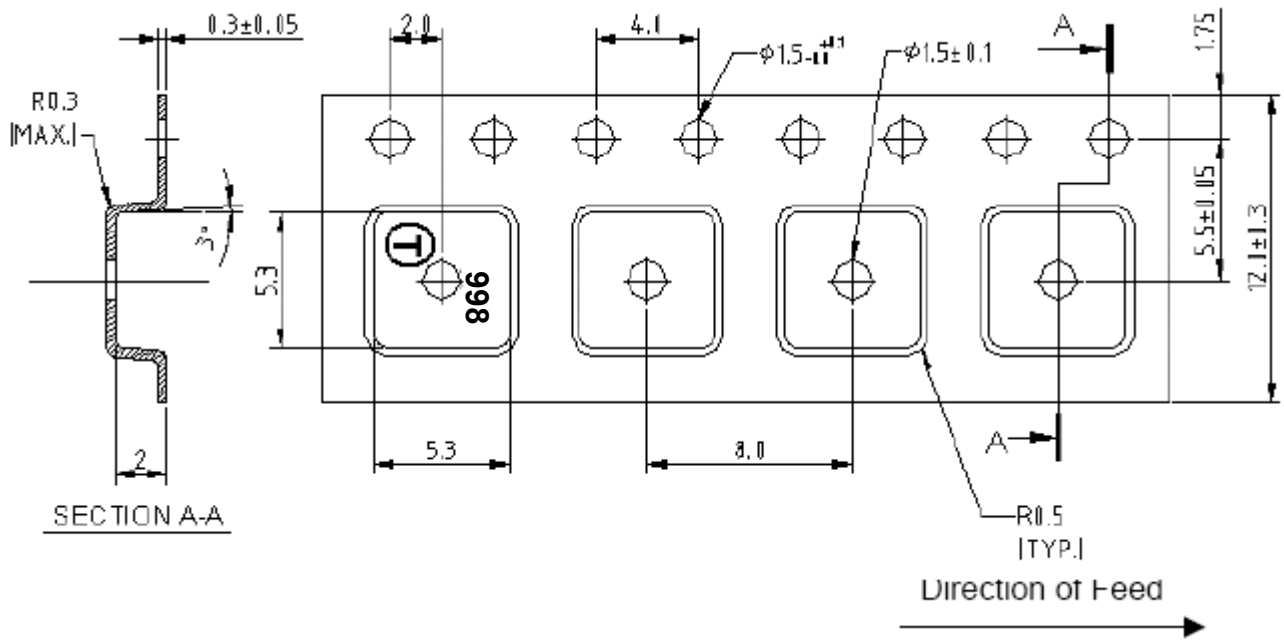


## G. PACKING:

### 1. REEL DIMENSION



## 2. TAPE DIMENSION



## H. RECOMMENDED REFLOW PROFILE: