

# 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 345 MHz SMD 5.0x5.0 mm

TST Part No.: TA1418A

Customer Part No.: \_\_\_\_\_

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: \_\_\_\_\_ Michael Yang *楊明 三. 21.12*

Approved by: \_\_\_\_\_ Francis *[Signature]*

Date: \_\_\_\_\_ 2012/02/01

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 345 MHz

MODEL NO.:TA1418A

REV. NO.:1

### A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3 V
3. Operating Temperature: -25°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant  
Lead free  
Lead-free soldering

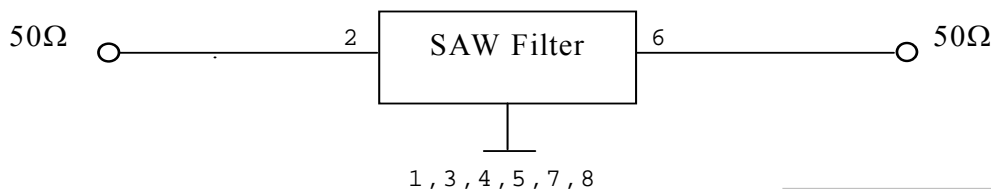
Electrostatic Sensitive Device (ESD)

### B. ELECTRICAL CHARACTERISTICS:

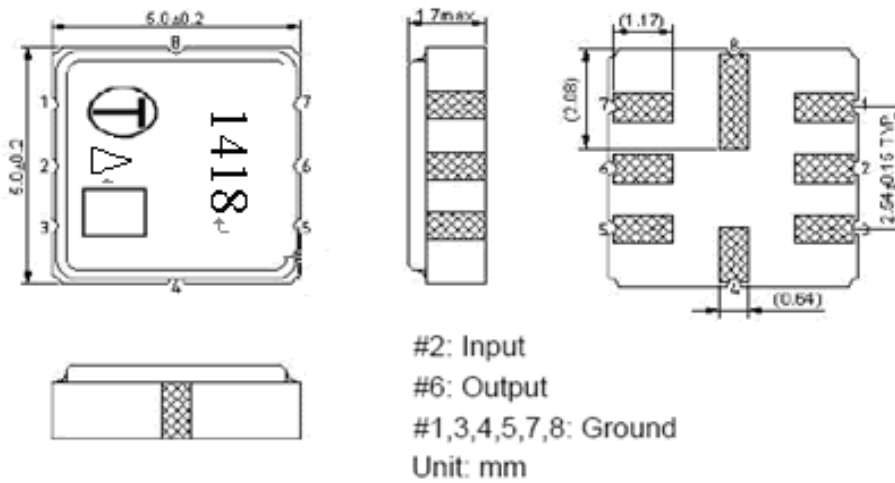
Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	345	-
Insertion Loss (344.6~345.4 MHz) IL	dB	-	2.3	3.3
Amplitude ripple (344.6~345.4 MHz)	dB	-	0.4	1.3
<b>Attenuation</b> (Reference level from 0)				
10 ~ 320 MHz	dB	50	60	-
320 ~ 325 MHz	dB	50	55	-
325 ~ 333.5 MHz	dB	35	40	-
333.5 ~ 335 MHz	dB	50	55	-
335 ~ 337 MHz	dB	40	45	-
354 ~ 362 MHz	dB	25	30	-
362 ~ 370 MHz	dB	38	42	-
370 ~ 700 MHz	dB	50	55	-
700 ~ 1000 MHz	dB	32	42	-
Temperature Coefficient of Frequency	Ppm/°C	-	-30	-

### C. MEASUREMENT CIRCUIT:

HP Network analyzer



**D.OUTLINE DRAWING:**



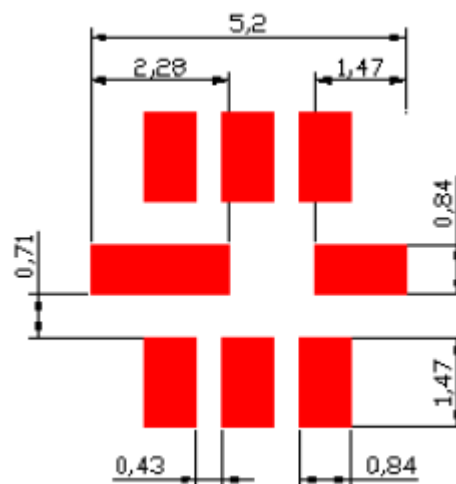
Data code : See the table

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

: Product / Year Code

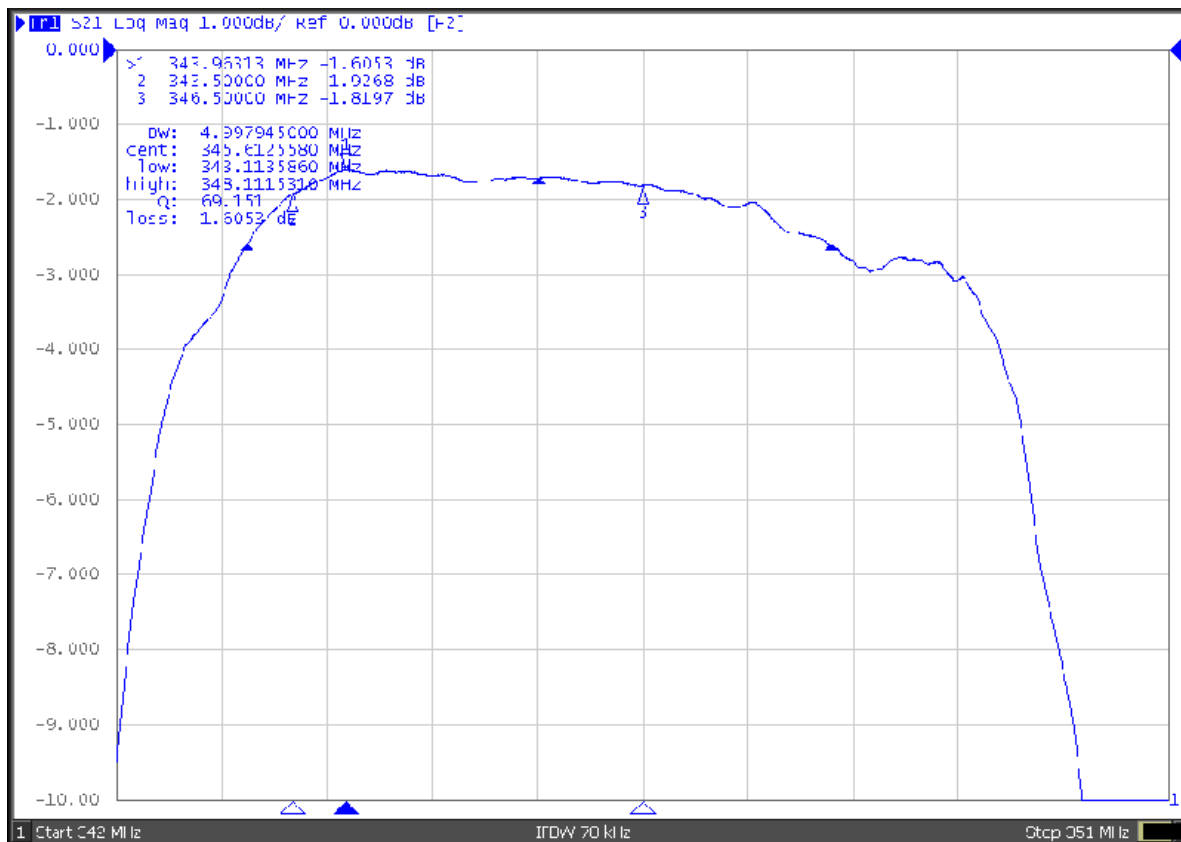
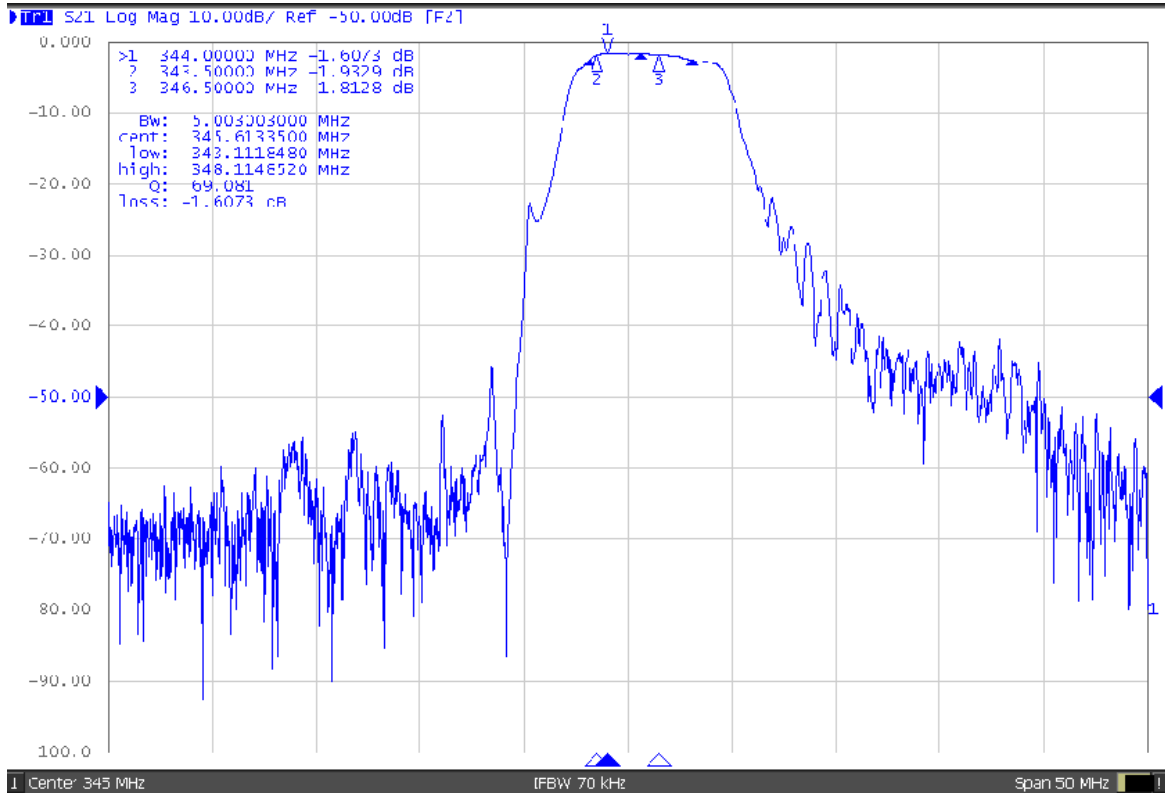
Year	2009 2013	2010 2014	2011 2015	2012 2016
Product Code	A	a	<u>A</u>	<u>a</u>

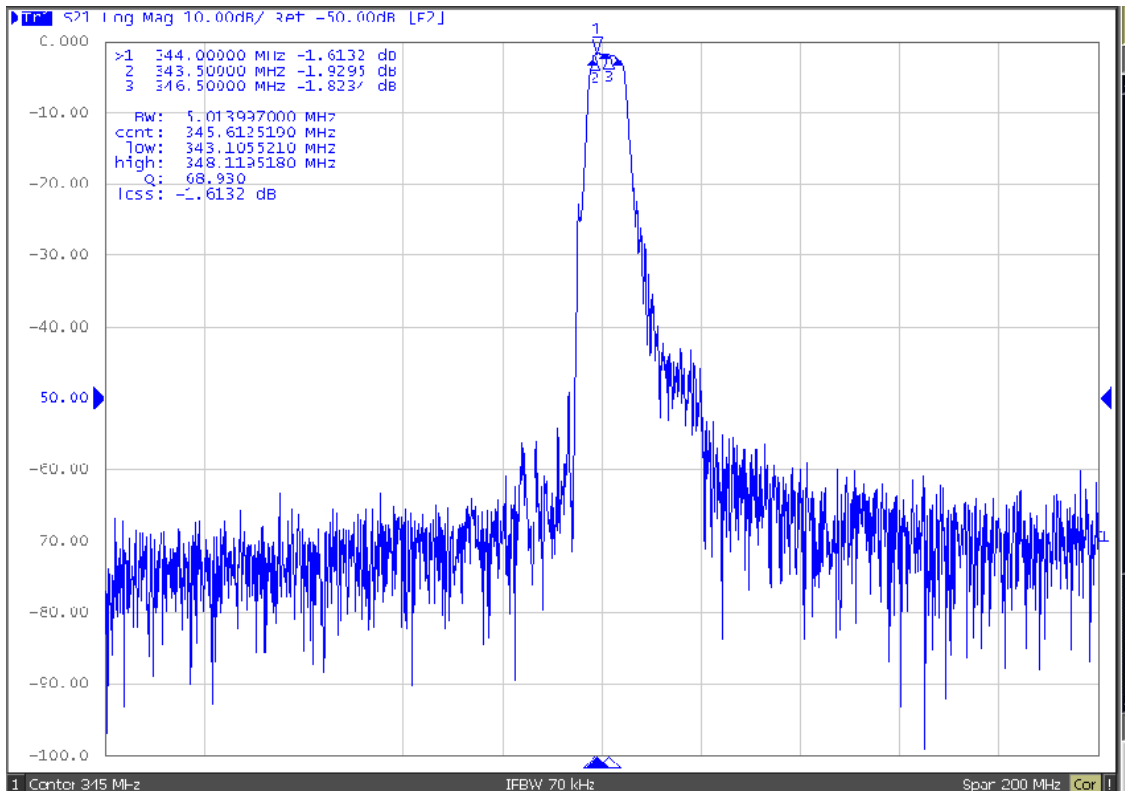
**E. PCB Footprint:**



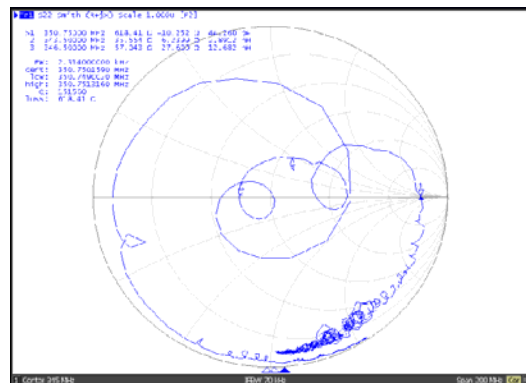
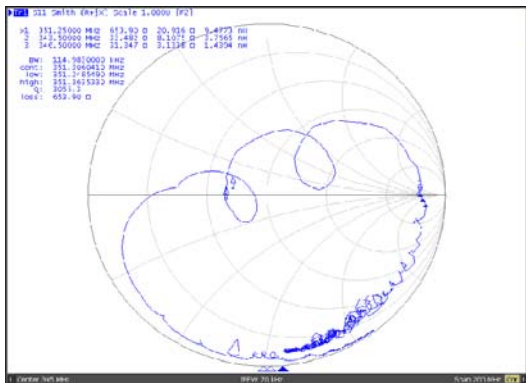
## F. Frequency Characteristics:

### 1、S21 Measurement :



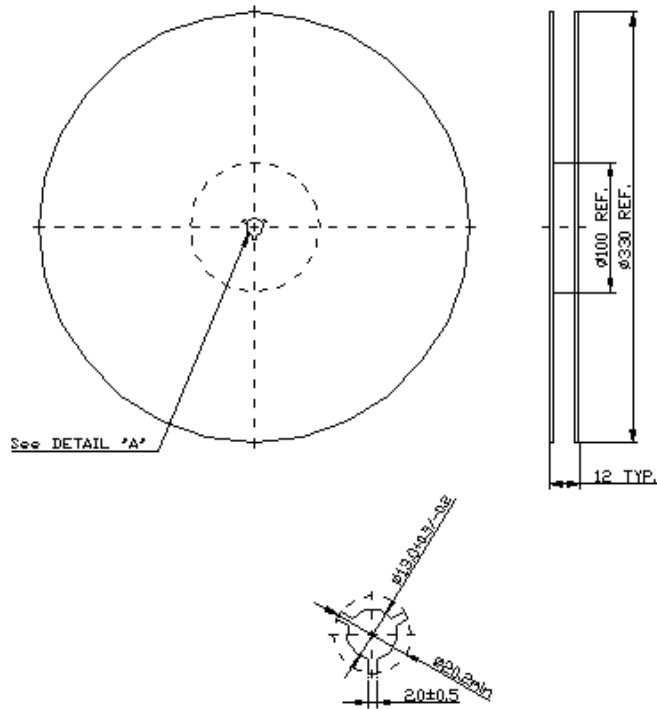


2、S11/S22 Measurement :

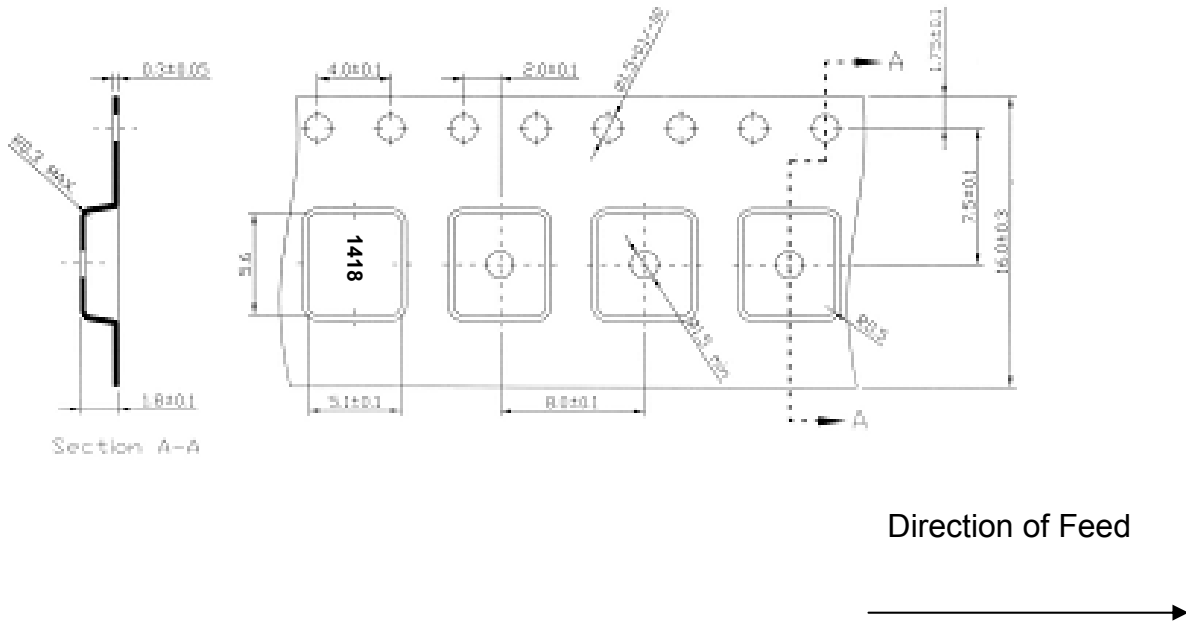


**G. PACKING:**

**1. REEL DIMENSION**



**2. TAPE DIMENSION**



## H. RECOMMENDED REFLOW PROFILE :

