



# 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 2595 MHz SMD 3.0X3.0 mm (BW=50MHz)

TST Part No.: TA1391A

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

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

Checked by: \_\_\_\_\_ Bob Chau 

Approved by: \_\_\_\_\_ Francis Chen 

Date: \_\_\_\_\_ 9, 7, 2011

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 2595 MHz

MODEL NO.:TA1391A

REV. NO.:1

### A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +95°C

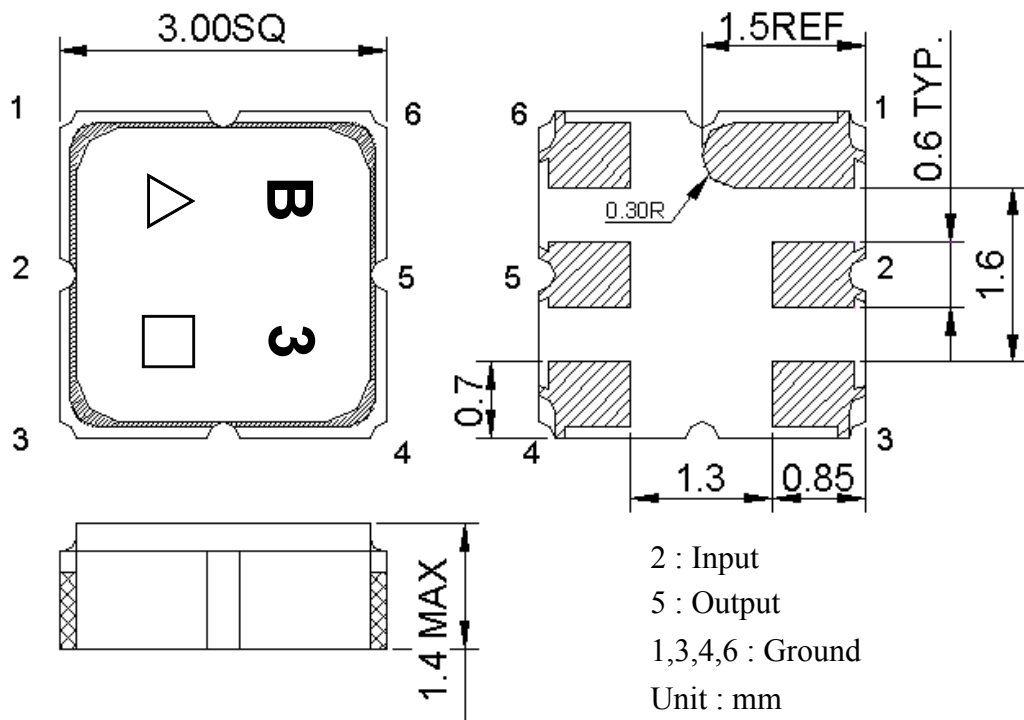
RoHS Compliant  
Lead free  
Lead-free soldering

Electrostatic Sensitive Device (ESD)

### B. ELECTRICAL CHARACTERISTICS:

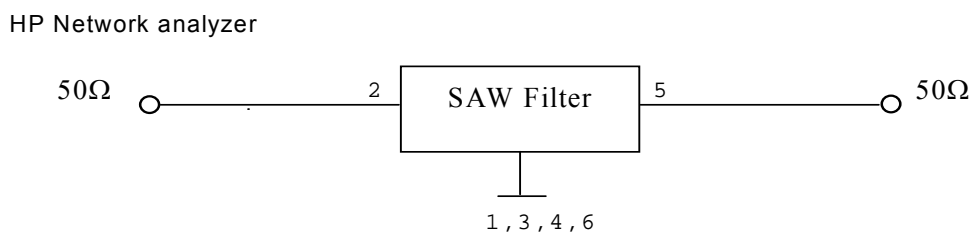
Item	Unit	Min.	Typ.	Max.	Note
Center Frequency <b>Fc</b>	MHz	-	2595	-	-
Insertion Loss (2570~2620 MHz) <b>IL</b>	dB	-	2.8	3.8	-
Amplitude Ripple (2570~2620 MHz)	dB	-	1.1	1.8	-
VSWR (2570~2620 MHz)		-	1.6	2	-
<b>Attenuation</b> (Reference level from 0 dB)					
DC ~ 200 MHz	dB	40	52	-	-
200 ~ 2485 MHz	dB	35	39	-	-
2485 ~ 2510 MHz	dB	20	31	-	-
2680 ~ 2705 MHz	dB	20	55	-	-
2705 ~ 3000 MHz	dB	35	55	-	-
3000 ~ 4900 MHz	dB	20	35	-	-
4900 ~ 6000 MHz	dB	10	14	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

**C.OUTLINE DRAWING:**

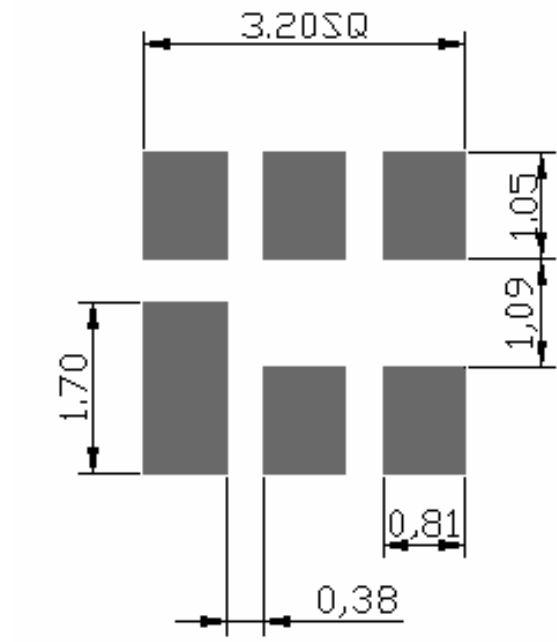


- △ : Year Code (2009->9, 2010->0, ..., 2018->8)
- : Date Code (W01->A, W02->B, ... W27->a, ..., W52->z)

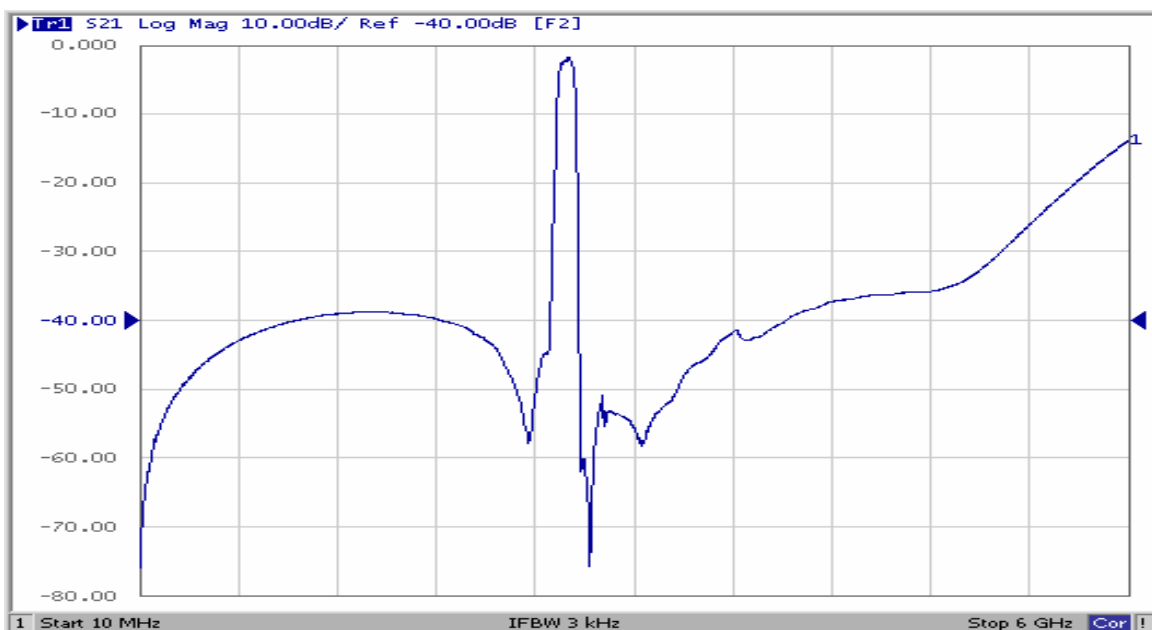
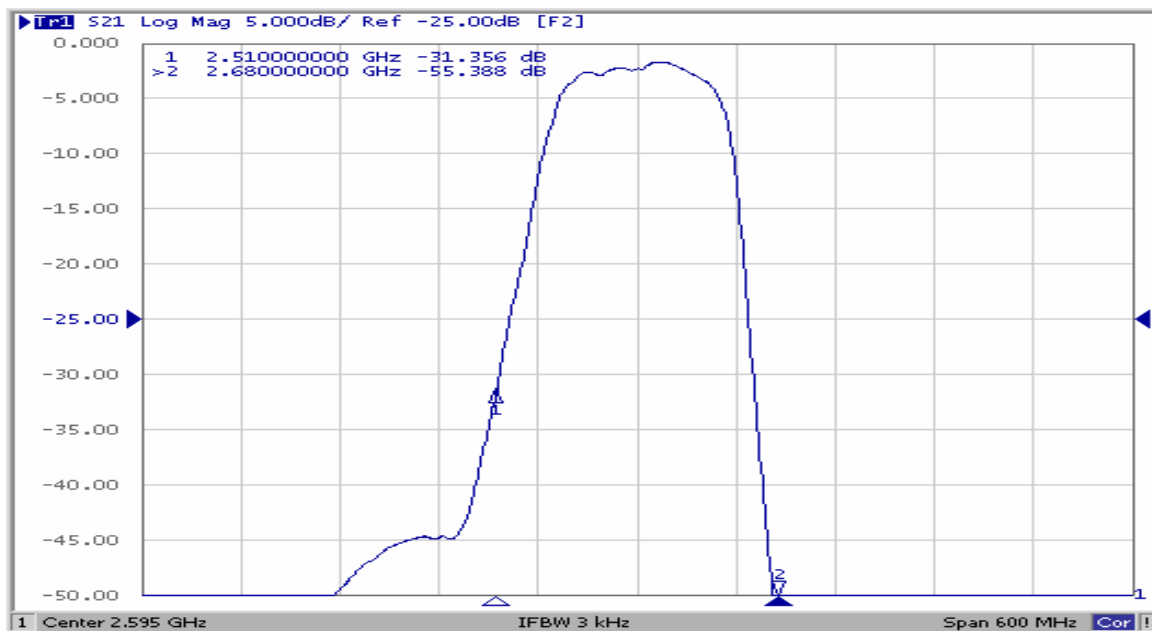
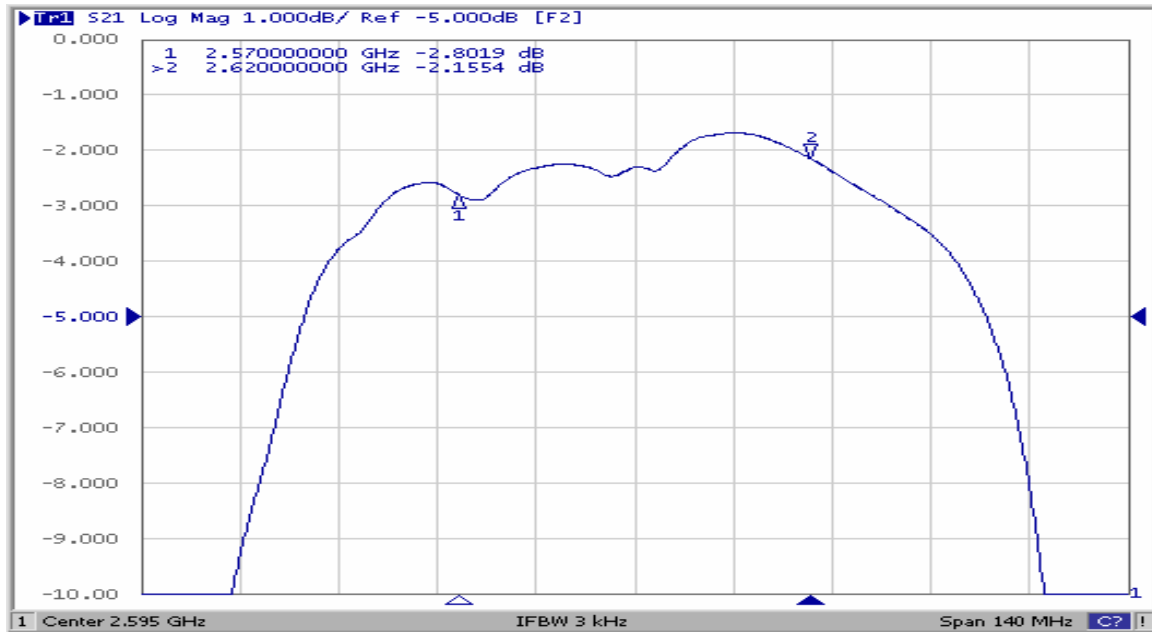
**D. MEASUREMENT CIRCUIT:**



**E. PCB Footprint:**

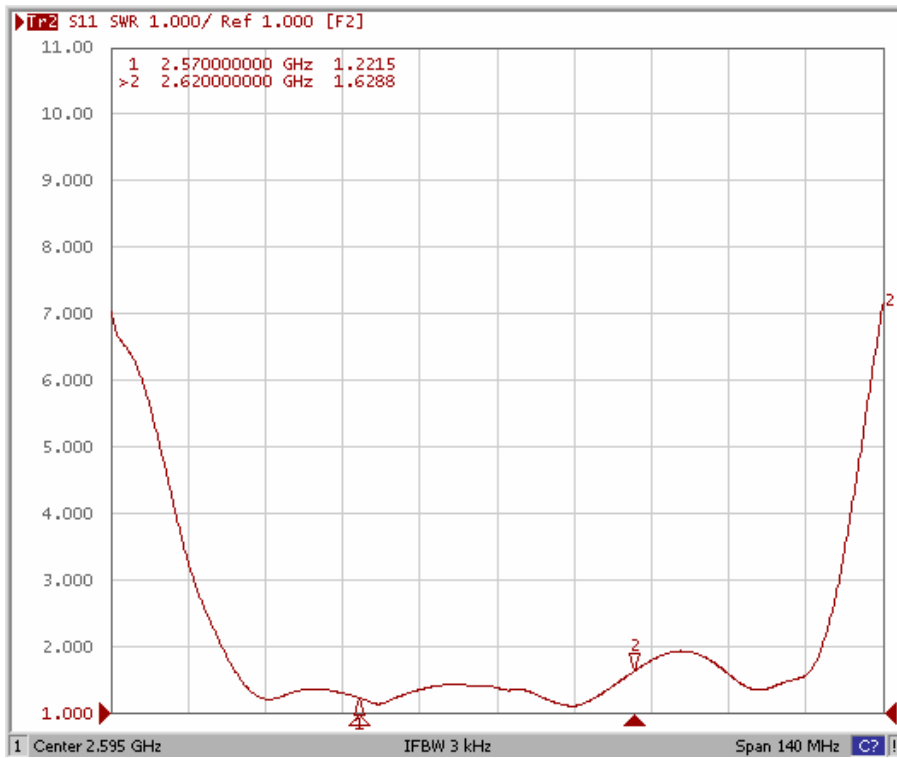


## F. Frequency Characteristics :

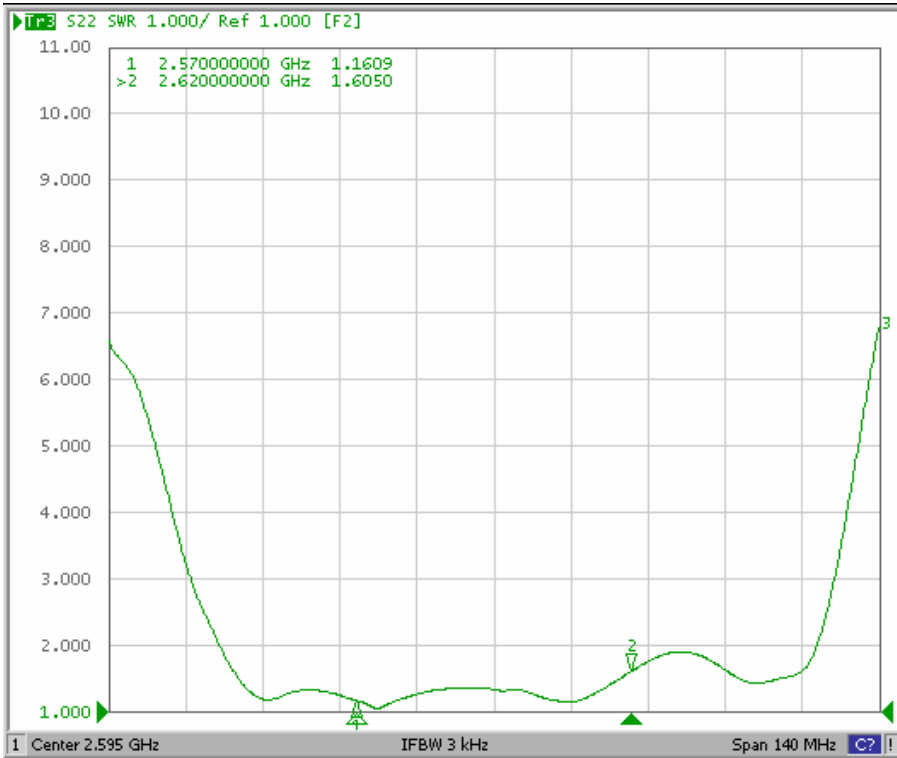


# Reflection Functions :

## S11



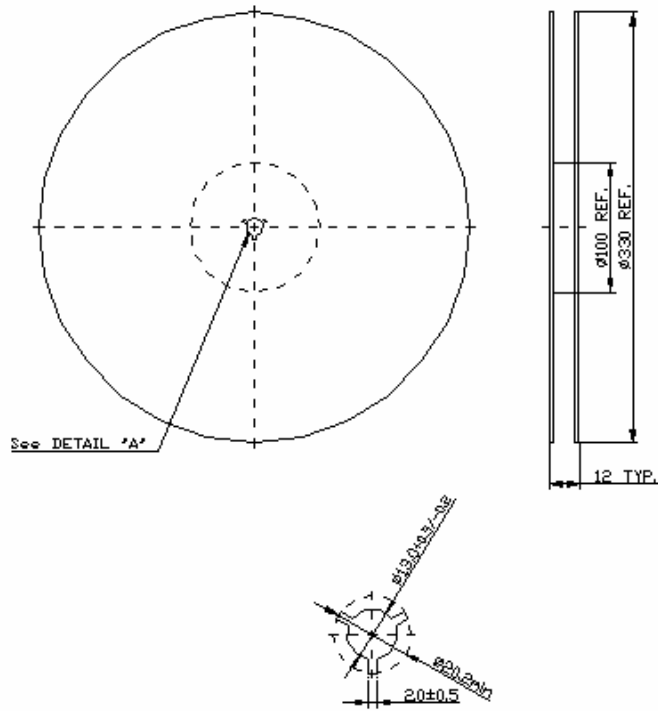
## S22



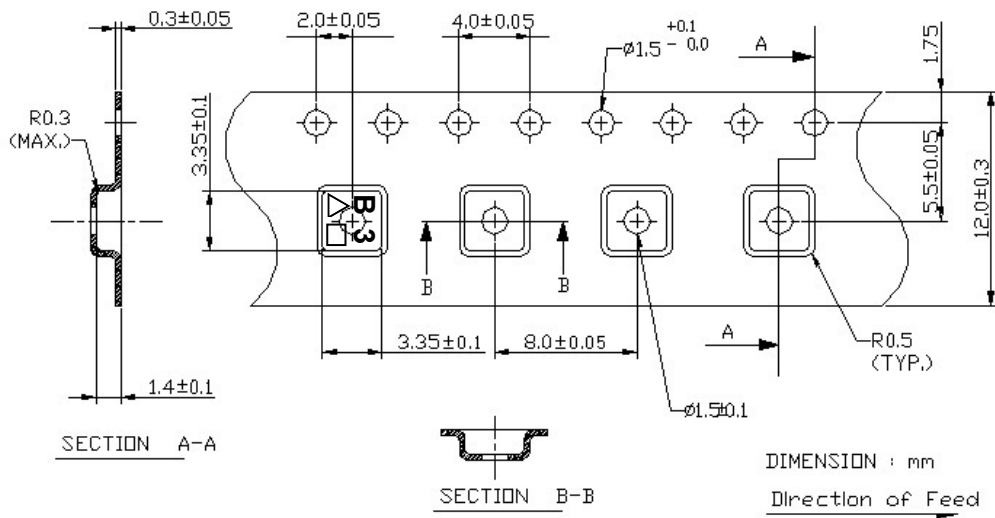
**G. PACKING:**

**1. REEL DIMENSION**

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



**2.TAPE DIMENSION**



## H. RECOMMENDED REFLOW PROFILE :

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 245~260°C peak (min. 10sec).
4. Time : 2 times.

