



# TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,  
Taoyuan, 324, Taiwan, R.O.C.

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## Approval Sheet For Product Specification

Issued Date: Jun, 29, 2007

Product Name: SAW Filter 2162.5 MHz SMD 3.0X3.0 mm

TST Parts No.: TA0712A

Customer Parts No.: \_\_\_\_\_

Company: _____
Division: _____
Approved by : _____
Date: _____

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

Approval by: \_\_\_\_\_ Francis Chen

Date: \_\_\_\_\_ 6, 29, 2007



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## SAW Filter 2162.5 MHz

MODEL NO.:TA0712A

REV. NO.:1

### A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -20°C to +75°C
4. Storage Temperature: -40°C to +85°C

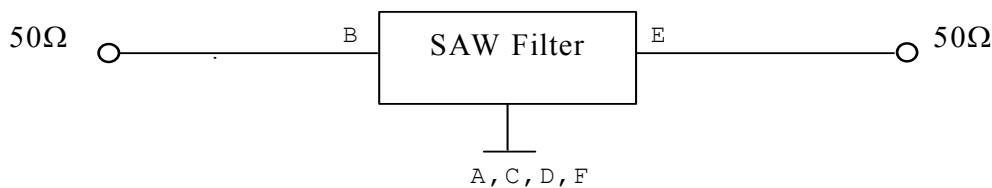
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

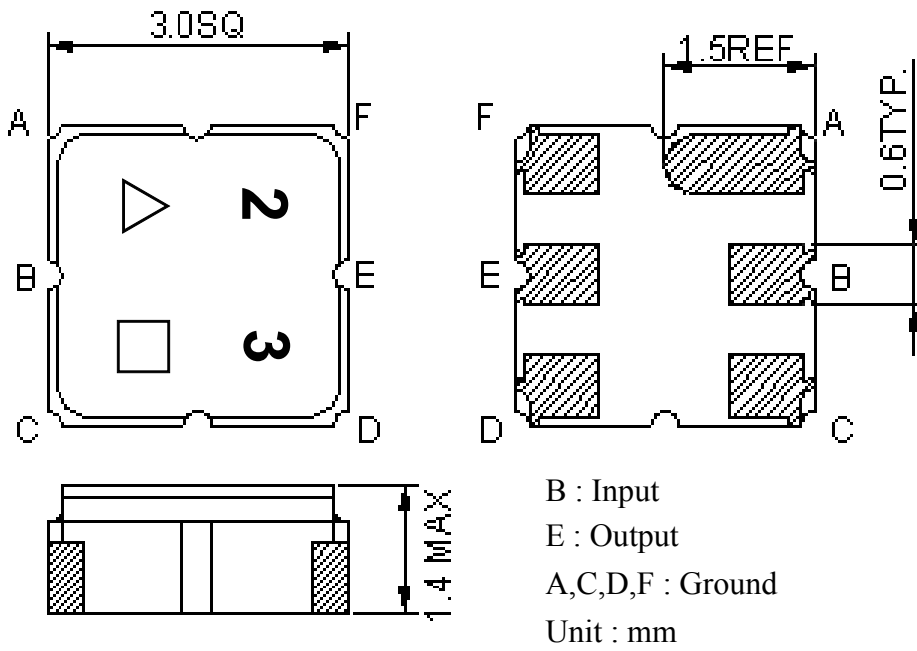
Item	Unit	Min.	Type.	Max.	Note
Center Frequency <b>Fc</b>	MHz	-	2162.5	-	-
Insertion Loss (2155 ~ 2170 MHz) <b>IL</b>	dB	-	1.9	4	-
Amplitude Ripple (2155 ~ 2170 MHz)	dB	-	0.2	2	-
Group Delay Ripple (2155 ~ 2170 MHz)	ns	-	4	16	-
<b>VSWR</b> (2155 ~ 2170 MHz)		-	1.2	2	-
<b>Attenuation</b> (Reference level from 0 dB)					
D.C. ~ 1985 MHz	dB	30	35	-	-
1985 ~ 2085 MHz	dB	33	36	-	-
2230 ~ 2330 MHz	dB	35	45	-	-
2330 ~ 3435 MHz	dB	36	40	-	-
3435 ~ 4000 MHz	dB	31	33	-	-

### C. MEASUREMENT CIRCUIT:

HP Network analyzer



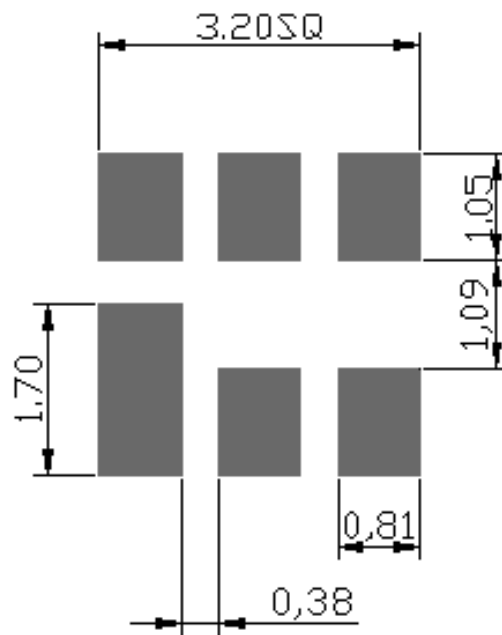
**D.OUTLINE DRAWING:**



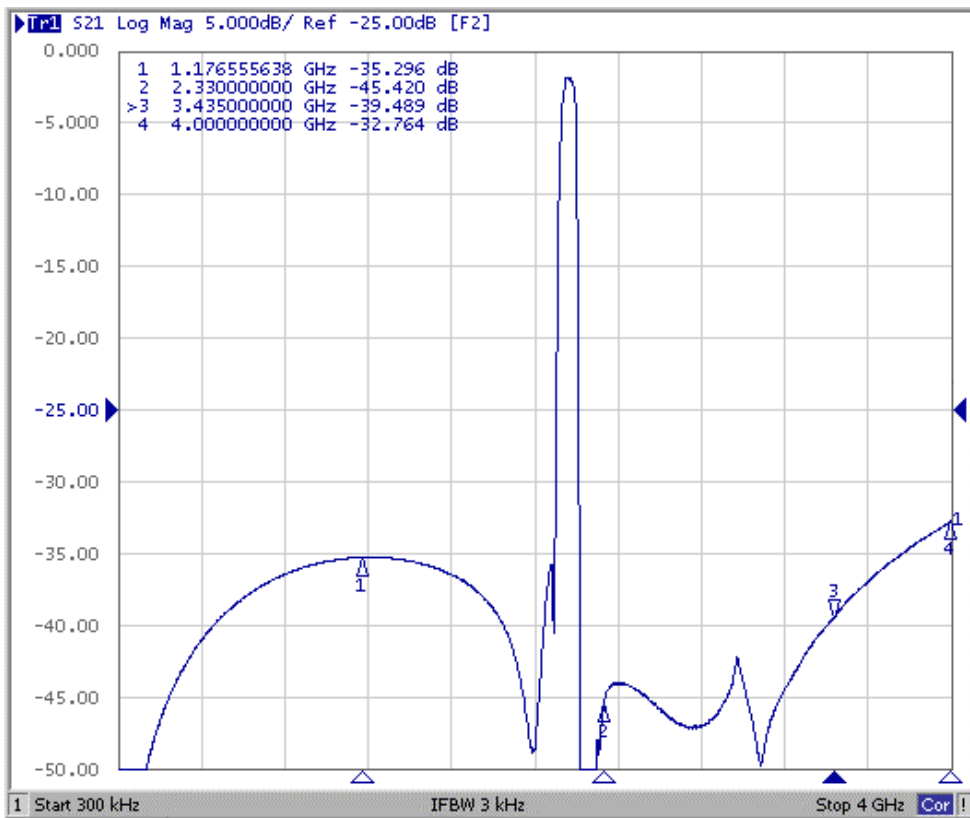
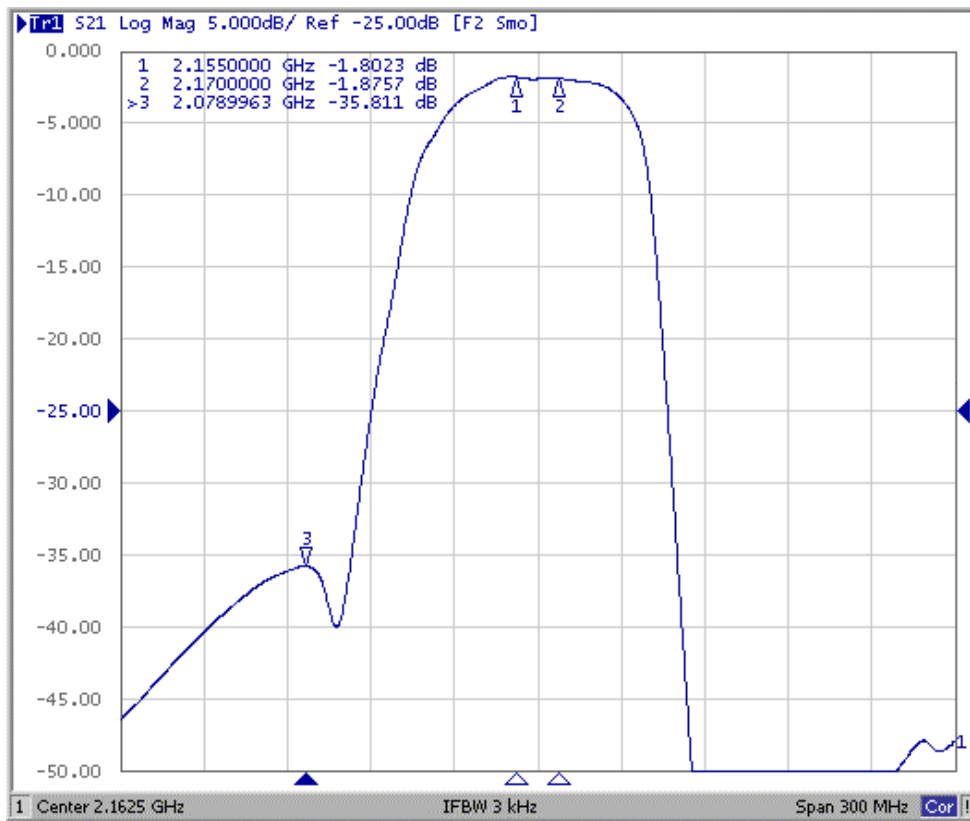
△ : Year Code (2006->6, ..., 2009->9)

□ : Date Code (Follow the table from planner each year)

**E. PCB Footprint:**

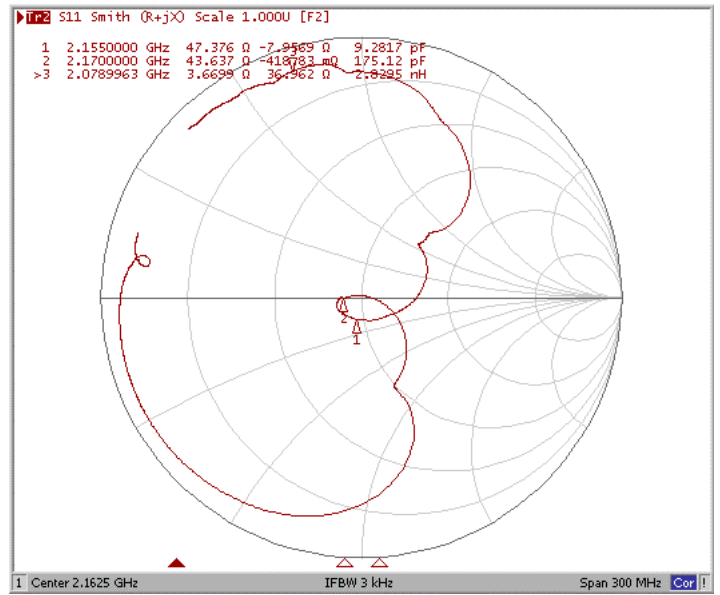
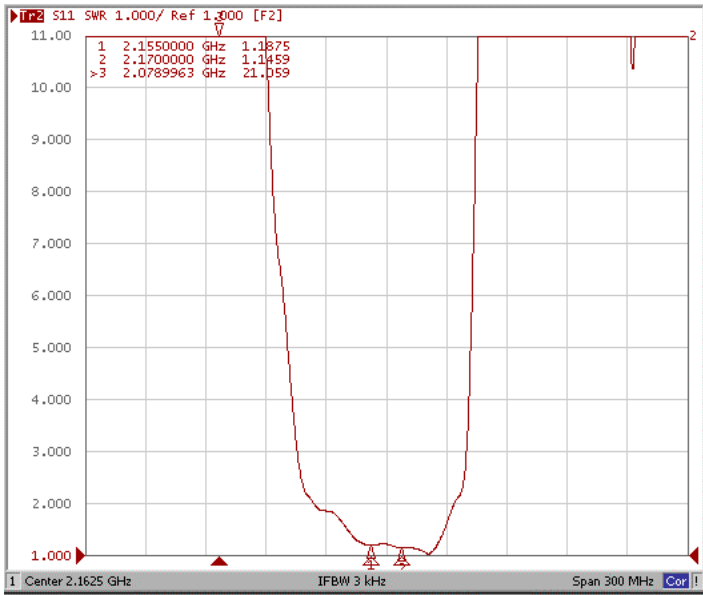


## F. Frequency Characteristics :

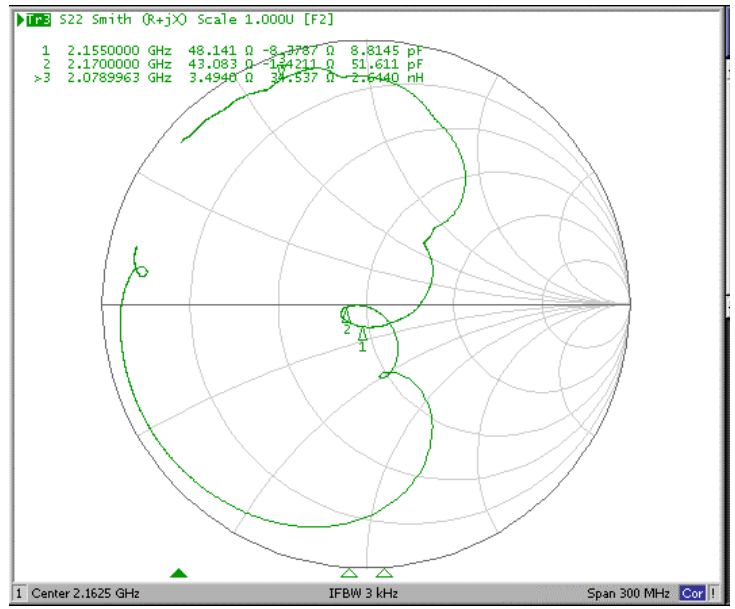
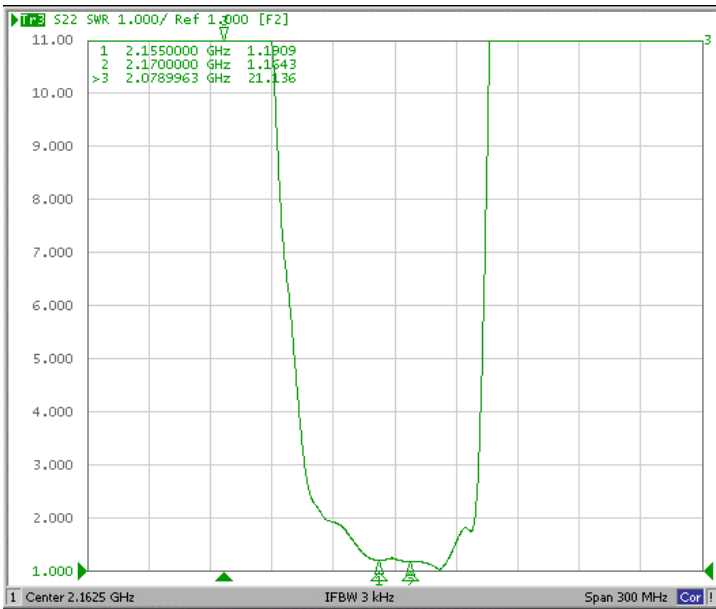


# Reflection Functions :

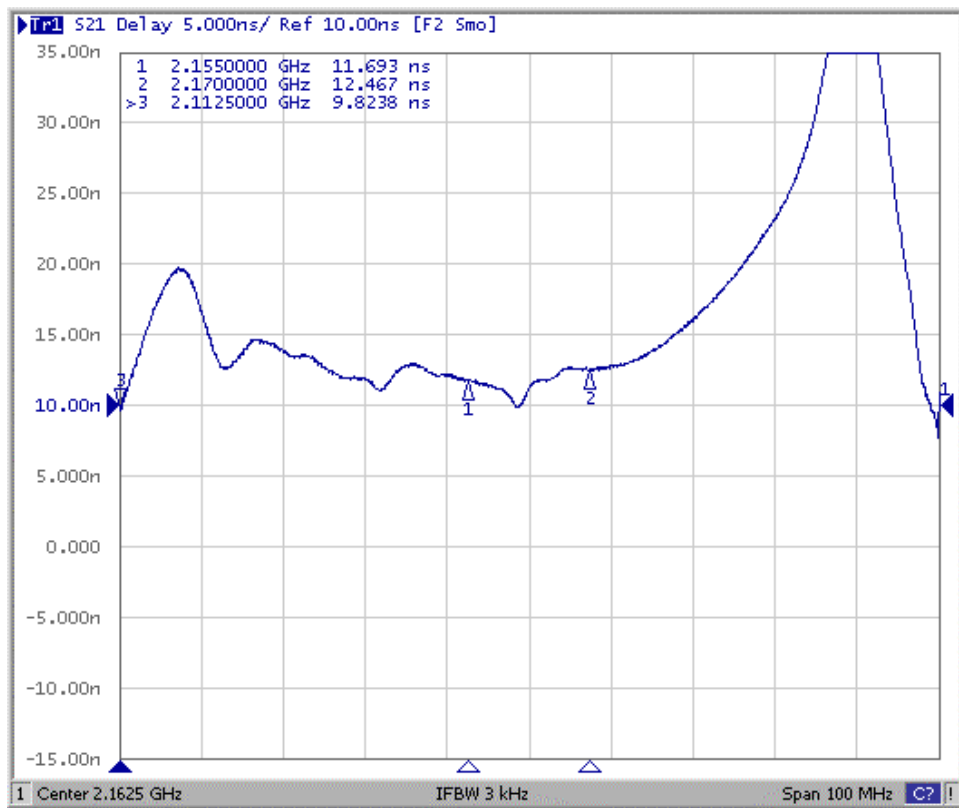
## S11



## S22



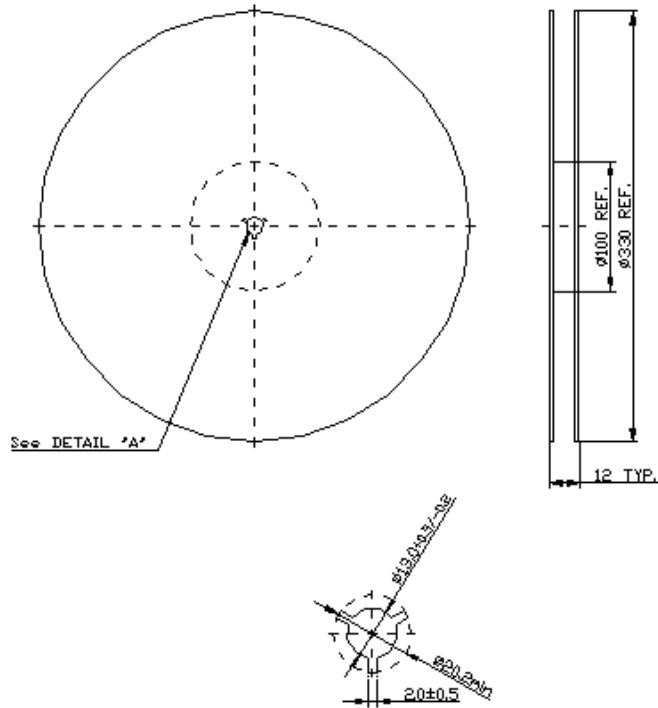
## Group Delay :



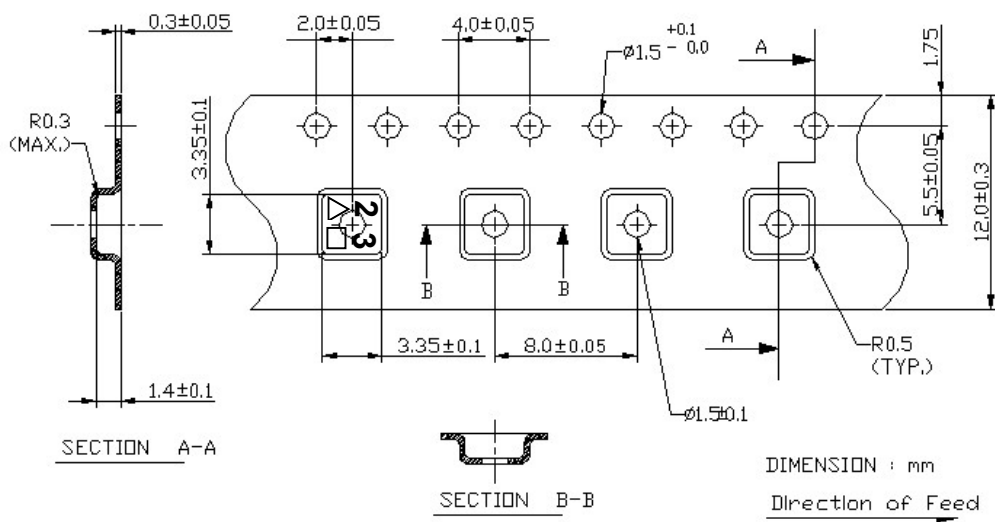
**G. PACKING:**

**1. REEL DIMENSION**

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



**2. TAPE DIMENSION**



## H. RECOMMENDED REFLOW PROFILE :

