



# 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: Nov, 15, 2006

Product Name: SAW Filter 836.5 MHz SMD 3.0X3.0 mm

TST Parts No.: TA0609A

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

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

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

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

Date: \_\_\_\_\_ 11, 15, 2006



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## SAW Filter 836.5MHz

MODEL NO.:TA0609A

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

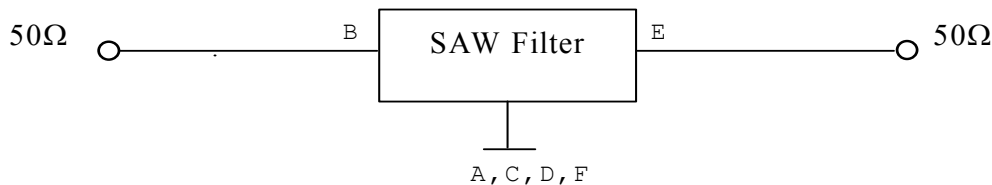
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

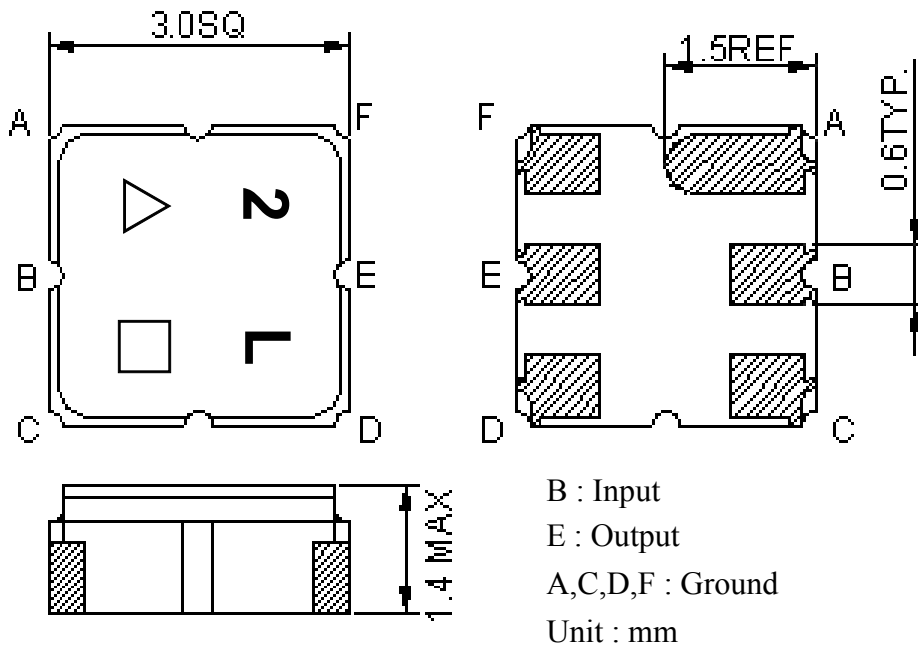
Item	Unit	Min.	Type.	Max.	Note
Center Frequency <b>Fc</b>	MHz	-	836.5	-	-
Insertion Loss (821.5 ~ 851.5 MHz) <b>IL</b>	dB	-	2.7	4	-
Amplitude Ripple (821.5 ~ 851.5 MHz)	dB	-	1.2	2	-
VSWR (821.5 ~ 851.5 MHz)		-	1.5	2.2	-
<b>Relative Attenuation</b> (relative to 0 dB)					
D.C. ~ 696 MHz	dB	50	64	-	-
956 ~ 1500 MHz	dB	50	59	-	-
1500 ~ 2000 MHz	dB	30	45	-	-

### C. MEASUREMENT CIRCUIT:

HP Network analyzer



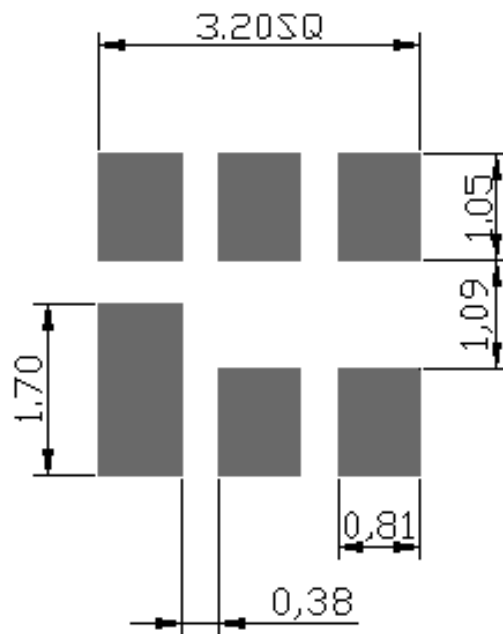
**D.OUTLINE DRAWING:**



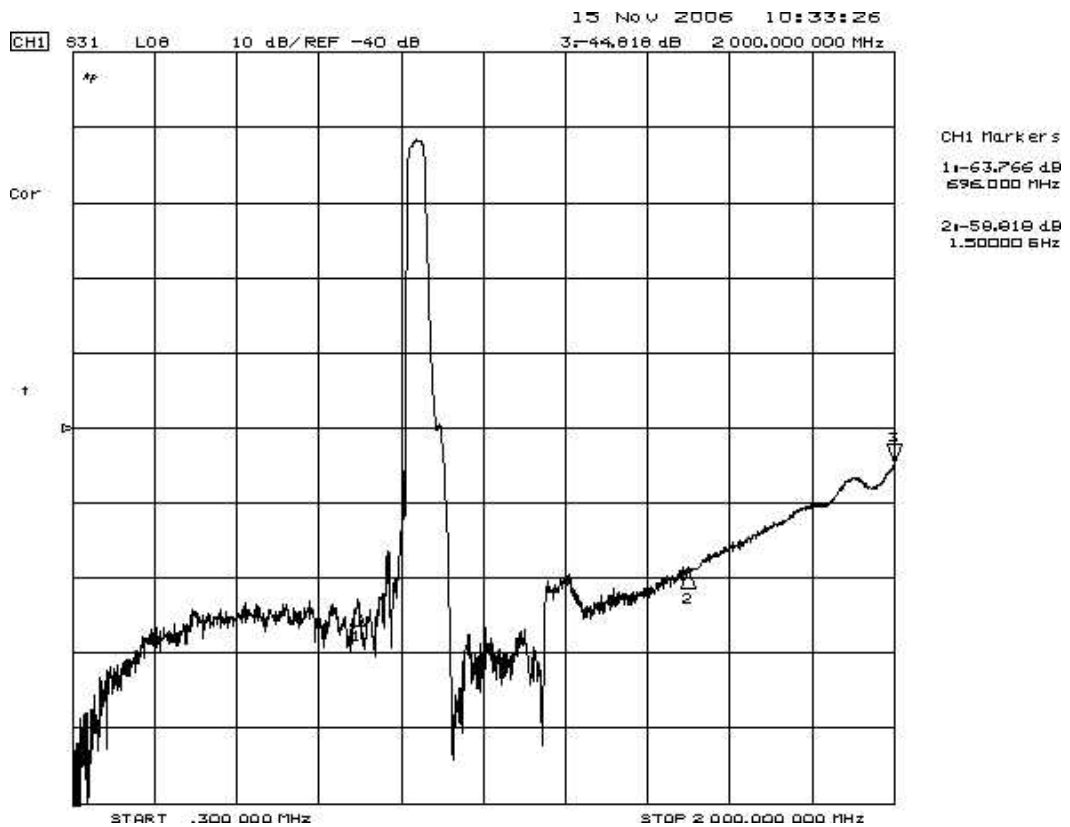
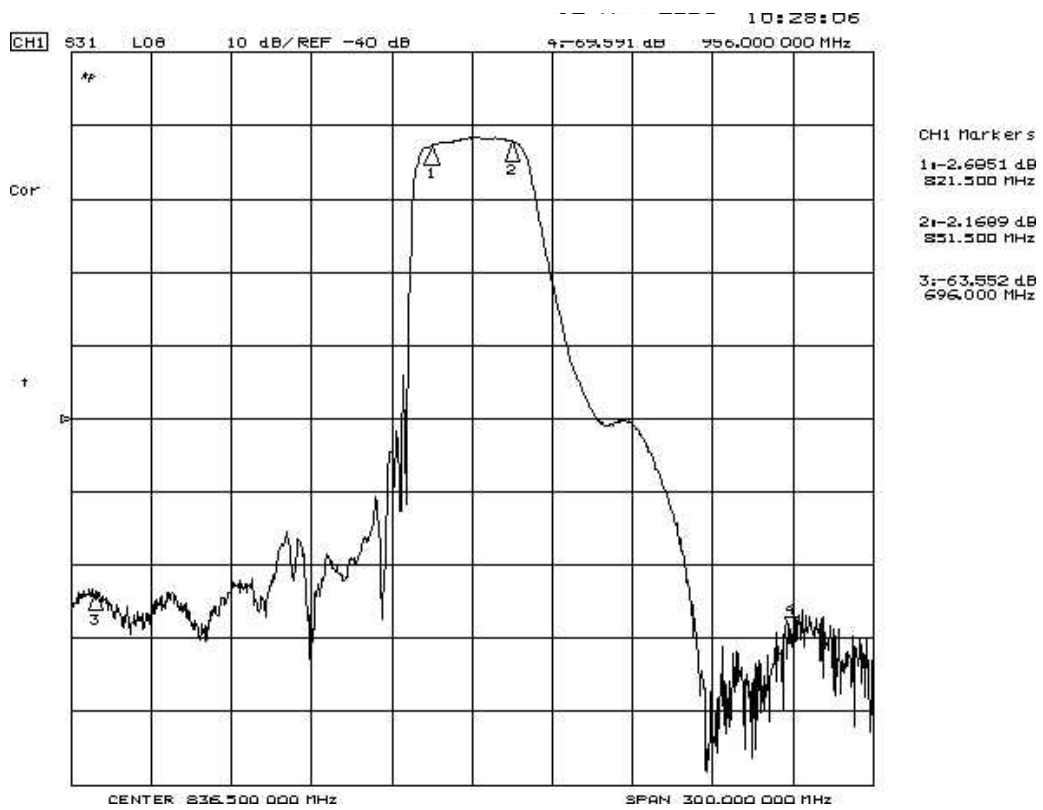
△ : Year Code (2006->6, ..., 2009->9)

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

**E. PCB Footprint:**

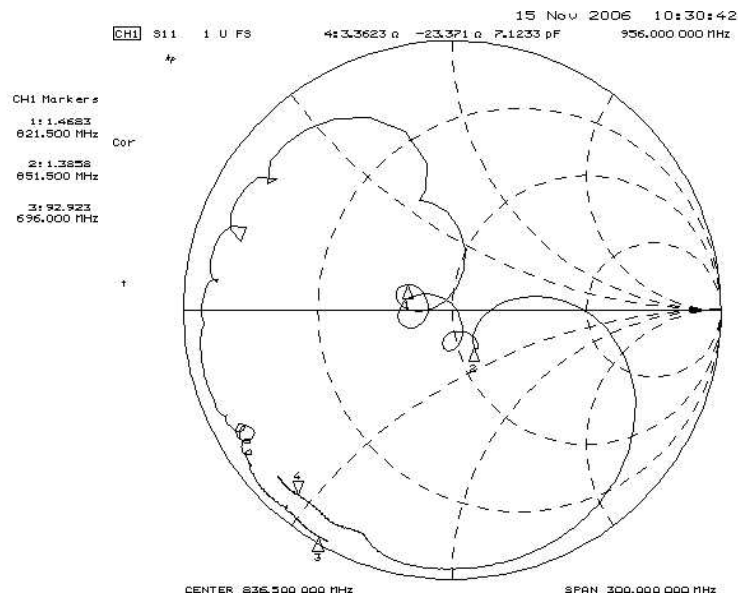
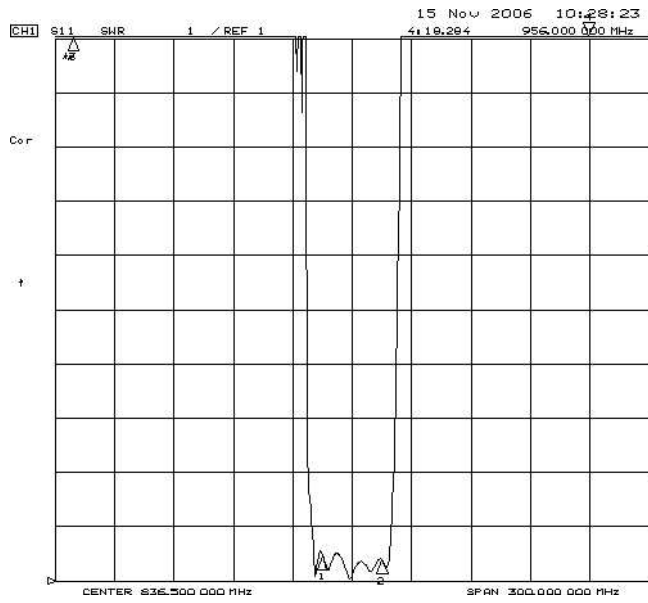


## F. Frequency Characteristics :

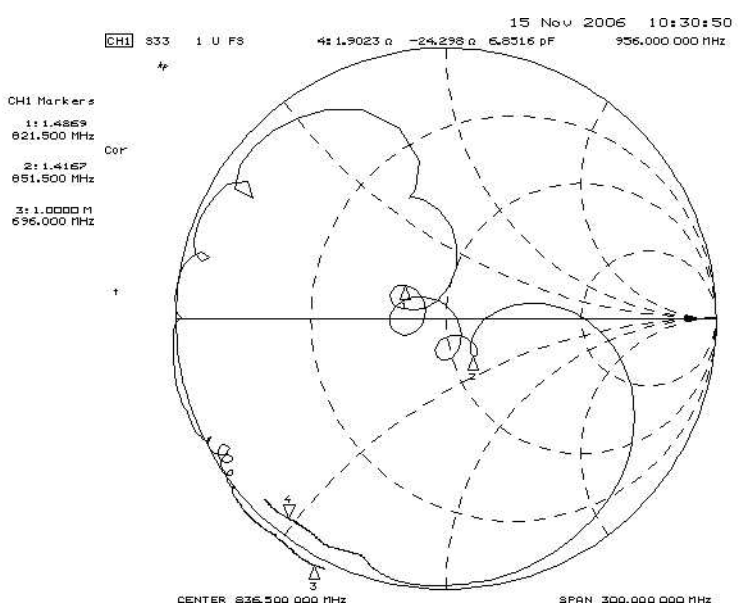
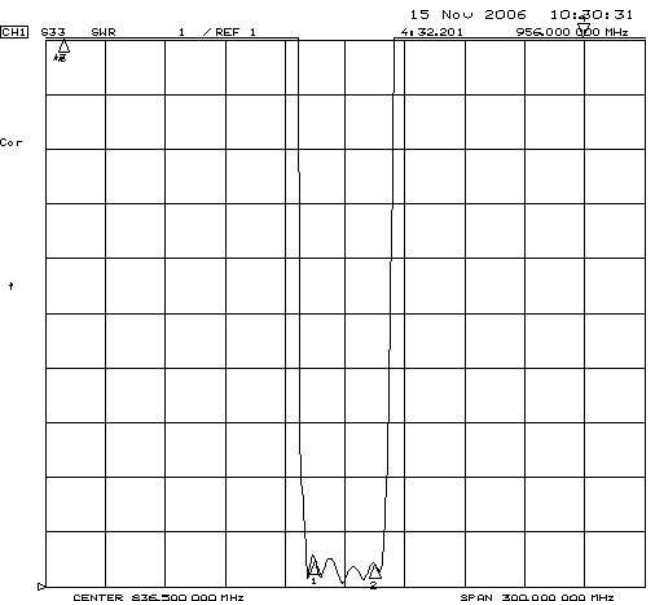


# Reflections Functions :

## S11 VSWR



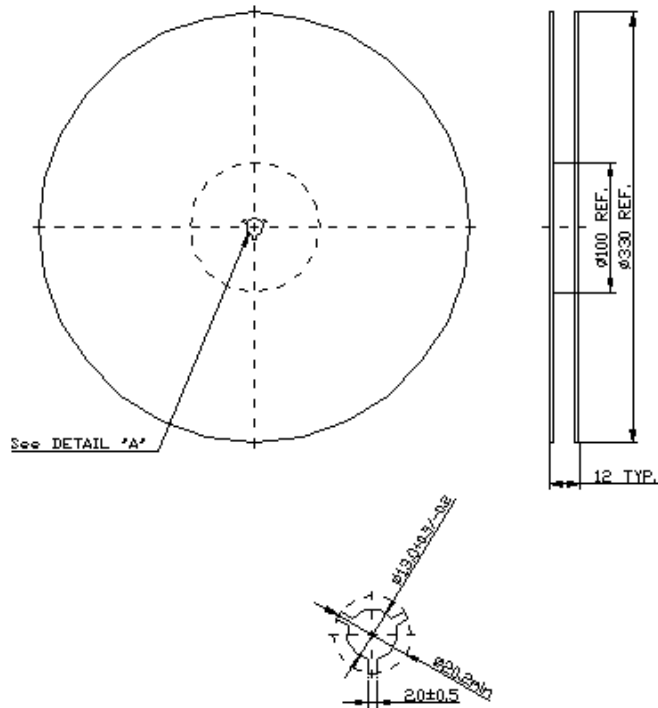
## S22 VSWR



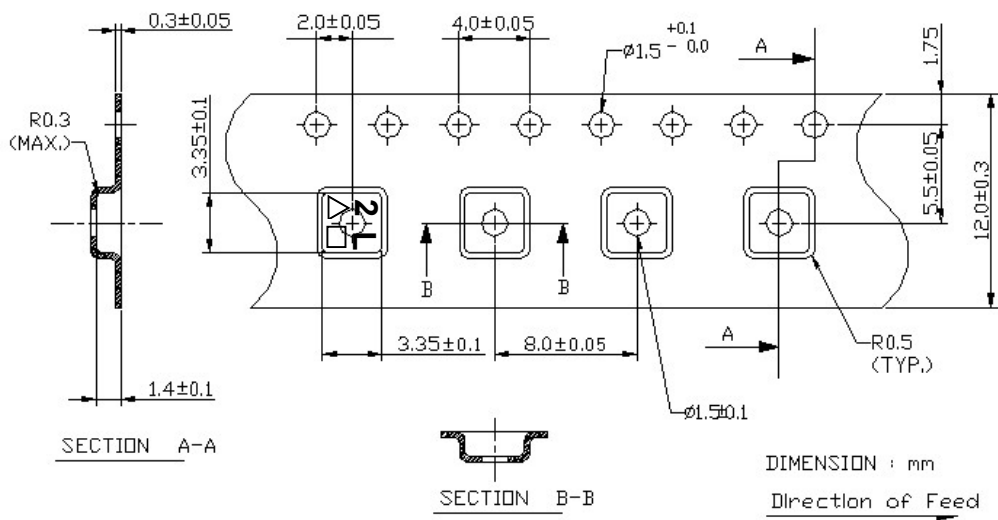
**G. PACKING:**

**1. REEL DIMENSION**

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



**2.TAPE DIMENSION**



**H. RECOMMENDED REFLOW PROFILE :**

