



# 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, 26, 2007

Product Name: SAW Filter 1855 MHz SMD 3.0X3.0 mm

TST Parts No.: TA0703A

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

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

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

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

Date: \_\_\_\_\_ 6, 26, 2007



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## SAW Filter 1855 MHz

MODEL NO.:TA0703A

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

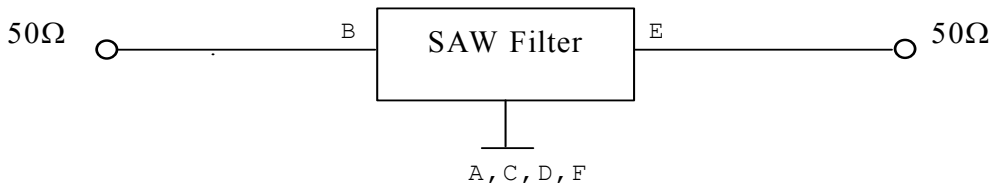
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

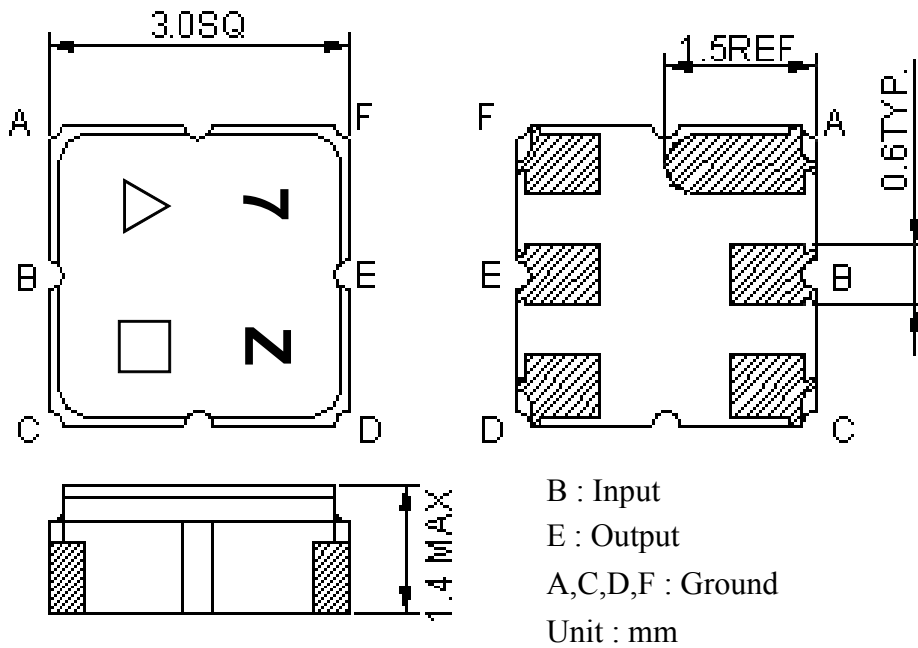
Item	Unit	Min.	Type.	Max.	Note
Center Frequency <b>Fc</b>	MHz	-	1855	-	-
Insertion Loss (1840 ~ 1870 MHz) <b>IL</b>	dB	-	2.15	3	-
Amplitude Ripple (1840 ~ 1870 MHz)	dB	-	0.6	1.8	-
VSWR (1840 ~ 1870 MHz)		-	1.45	2	-
<b>Attenuation</b> (Reference level from 0 dB)					
1440 ~ 1470 MHz	dB	25	37	-	-
1750 ~ 1780 MHz	dB	29	36	-	-
1930 ~ 1960 MHz	dB	30	40	-	-
2240 ~ 2270 MHz	dB	28	46	-	-

### C. MEASUREMENT CIRCUIT:

HP Network analyzer



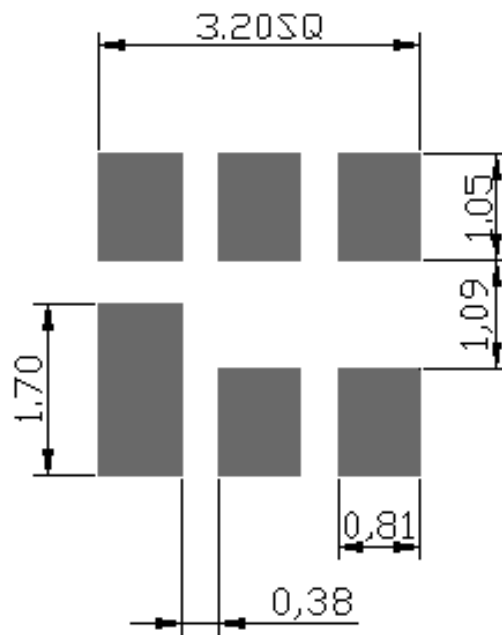
**D.OUTLINE DRAWING:**



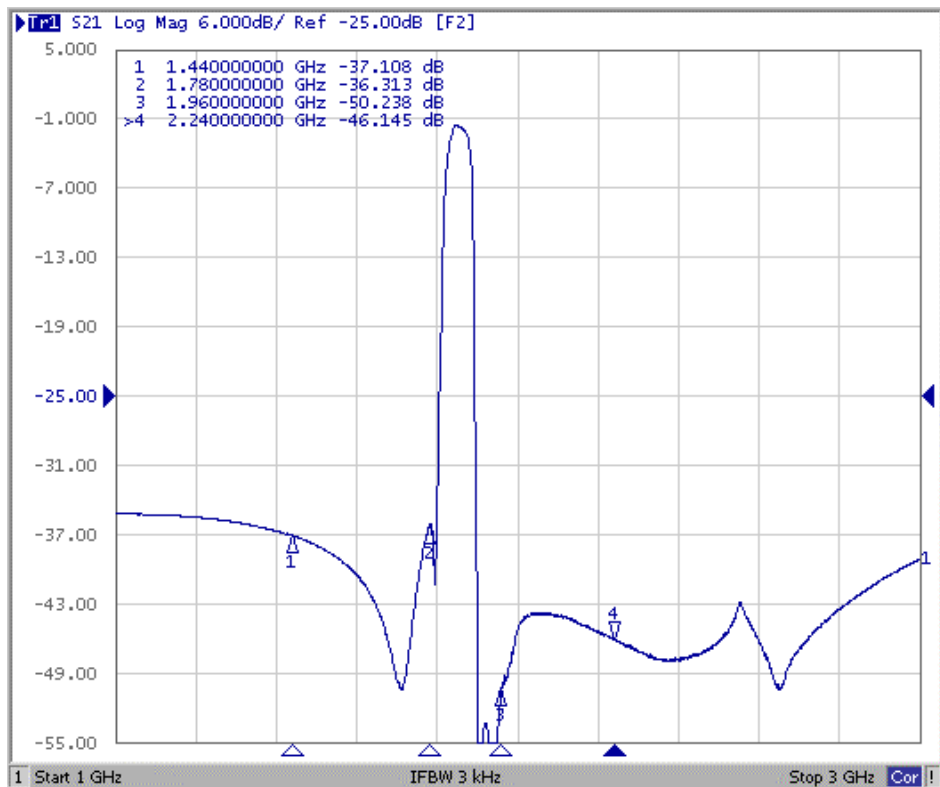
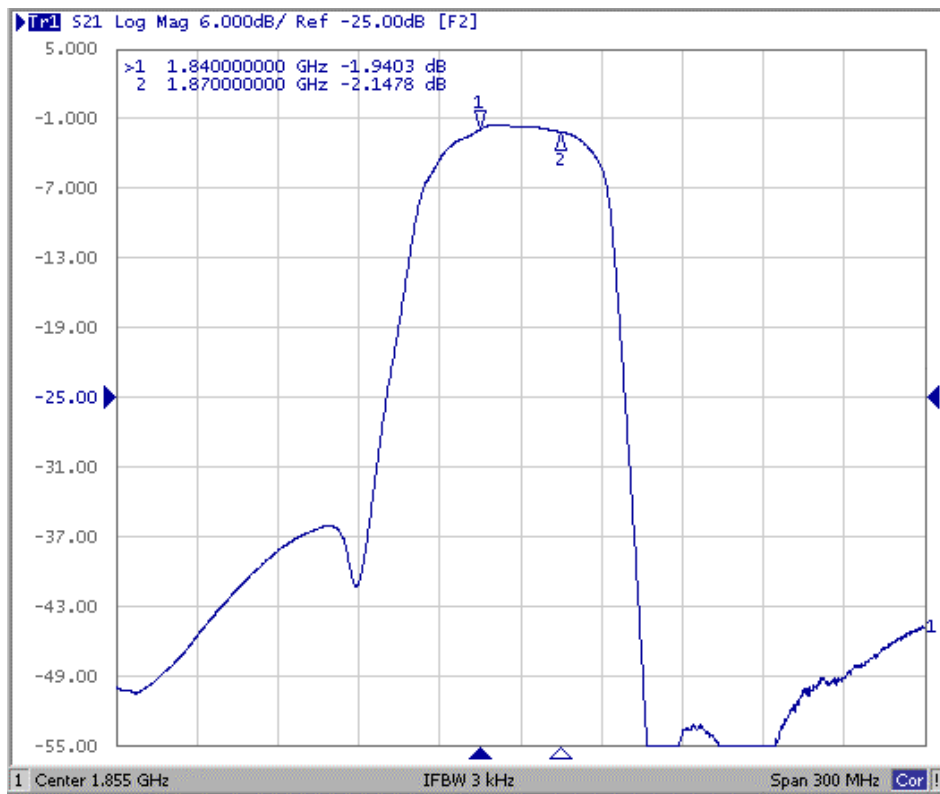
△ : Year Code (2006->6, ..., 2009->9)

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

**E. PCB Footprint:**

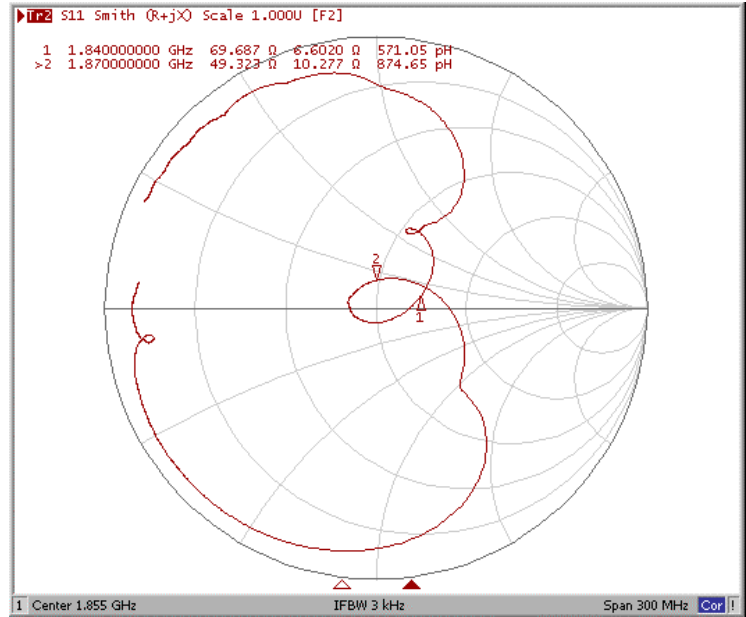
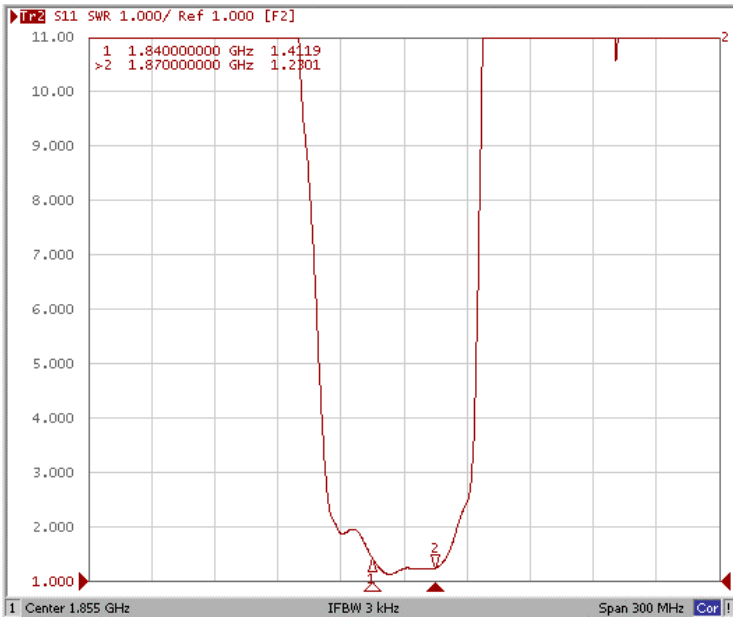


## F. Frequency Characteristics :

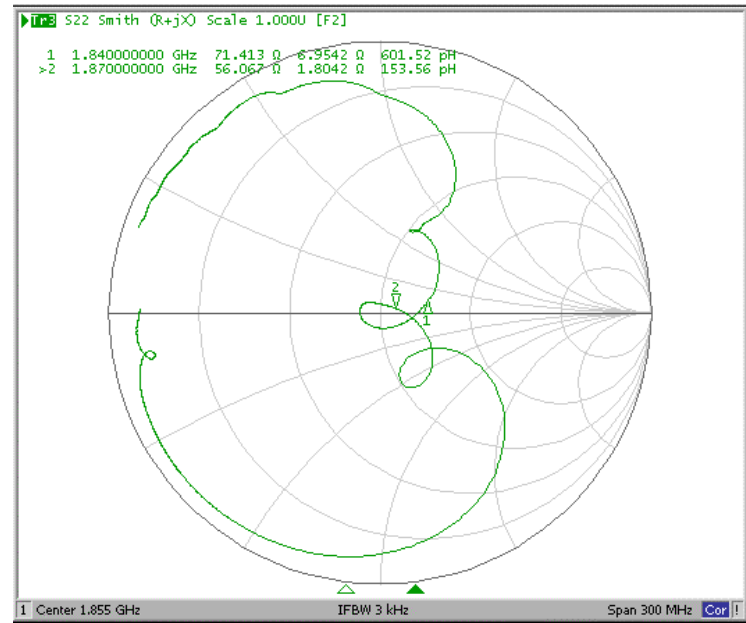
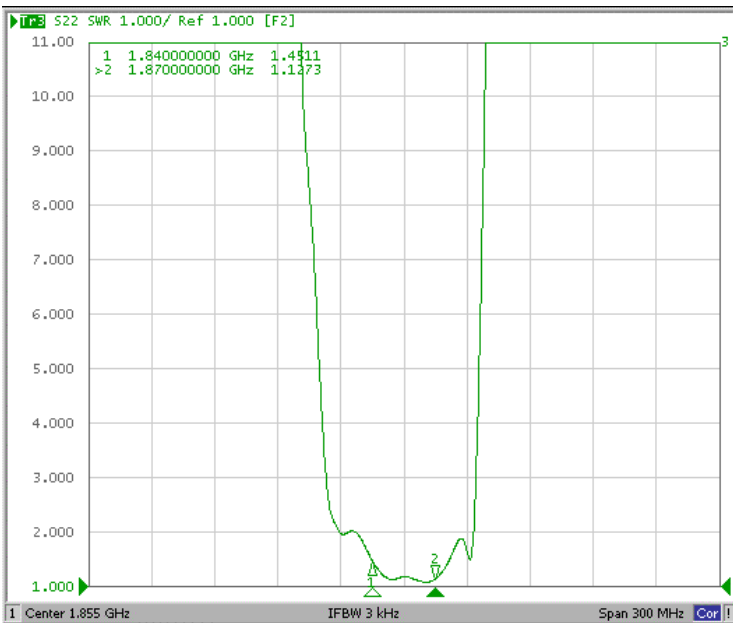


# Reflection Functions :

## S11



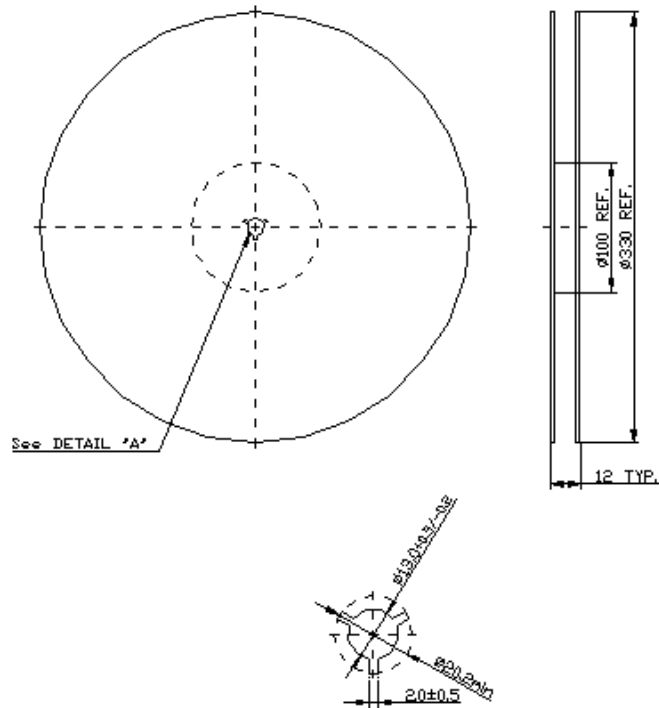
## S22



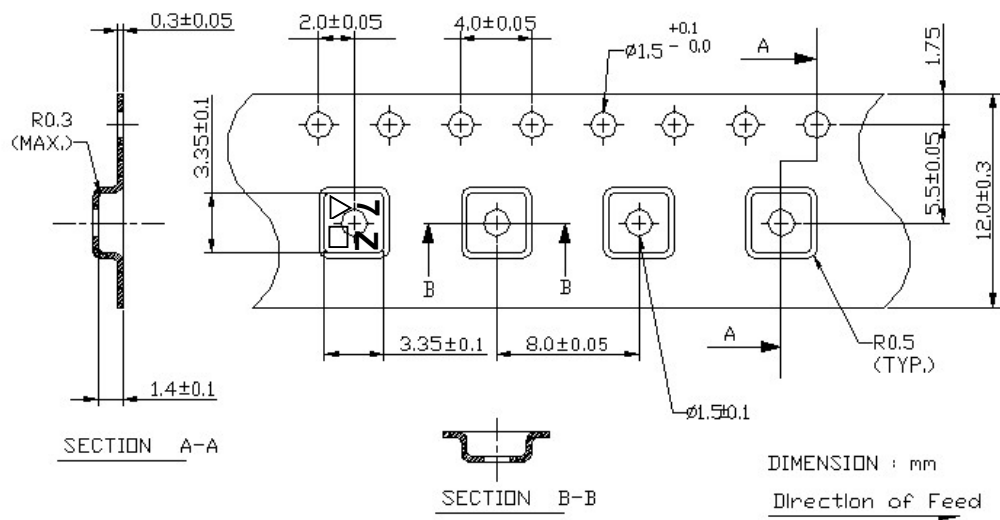
## G. PACKING:

### 1. REEL DIMENSION

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



### 2. TAPE DIMENSION



**H. RECOMMENDED REFLOW PROFILE :**

