



# 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, 21, 2006

Product Name: SAW Filter 1880 MHz SMD 3.0X3.0 mm

TST Parts No.: TA0613A

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

|                     |
|---------------------|
| Company: _____      |
| Division: _____     |
| Approved by : _____ |
| Date: _____         |

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

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

Date: \_\_\_\_\_ 11, 21, 2006



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## SAW Filter 1880MHz

MODEL NO.:TA0613A

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

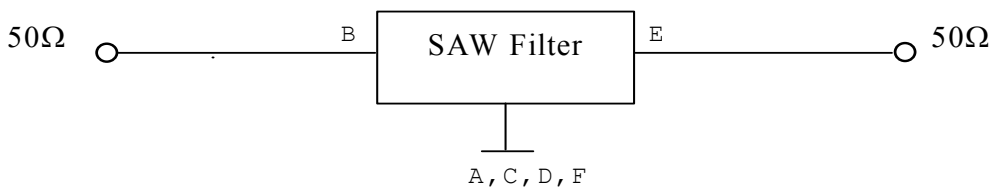
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

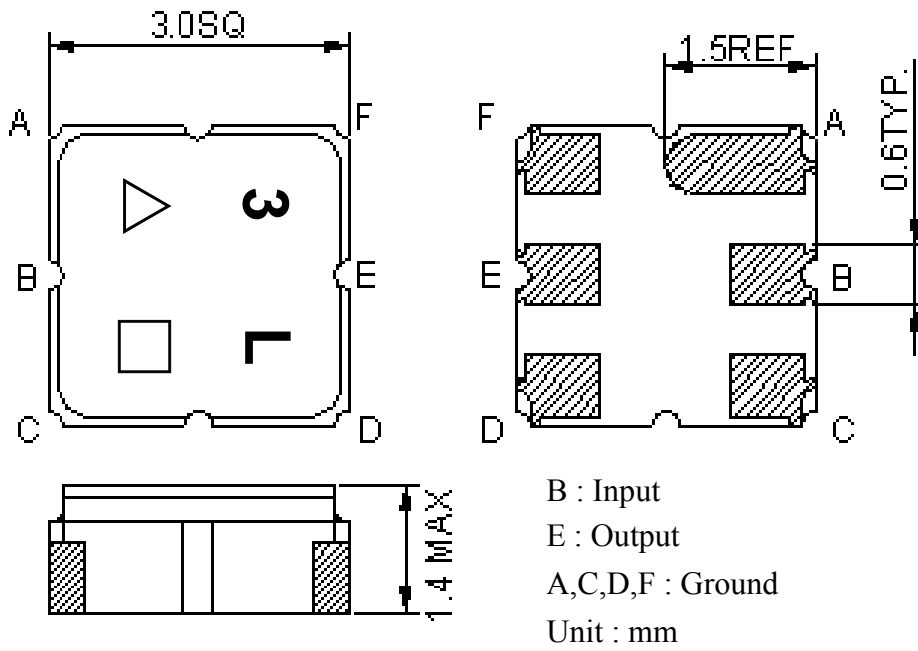
| Item   | Unit | Min. | Type. | Max. | Note |
|--|------|------|-------|------|------|
| Center Frequency <b>Fc</b>                     | MHz  | -    | 1880  | -    | -    |
| Insertion Loss (1847.5 ~ 1912.5 MHz) <b>IL</b> | dB   | -    | 3     | 4    | -    |
| Amplitude Ripple (1847.5 ~ 1912.5 MHz)         | dB   | -    | 1.4   | 2.5  | -    |
| I/O Return Loss (1847.5 ~ 1912.5 MHz)          | dB   | 7.4  | 11    | -    | -    |
| <b>Relative Attenuation (relative to 0 dB)</b> |      |      |       |      |      |
| D.C. ~ 1660 MHz                                | dB   | 20   | 31    | -    | -    |
| 1660 ~ 1721 MHz                                | dB   | 30   | 36    | -    | -    |
| 1721 ~ 1800 MHz                                | dB   | 20   | 40    | -    | -    |
| 1960 ~ 2040 MHz                                | dB   | 25   | 40    | -    | -    |
| 2040 ~ 2480 MHz                                | dB   | 31   | 38    | -    | -    |
| 3700 ~ 3820 MHz                                | dB   | 25   | 32    | -    | -    |

### C. MEASUREMENT CIRCUIT:

HP Network analyzer

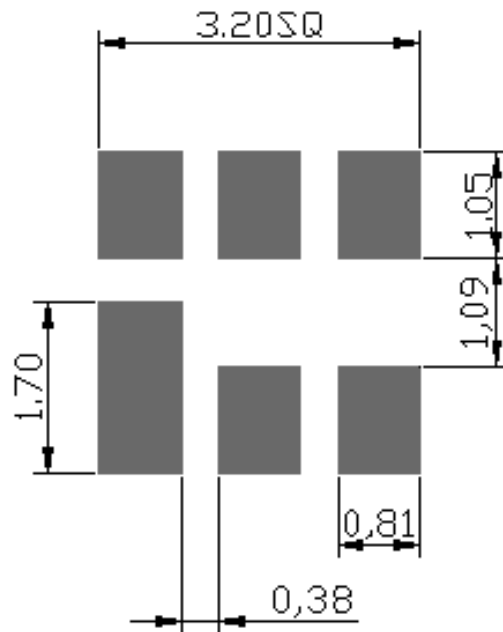


**D.OUTLINE DRAWING:**

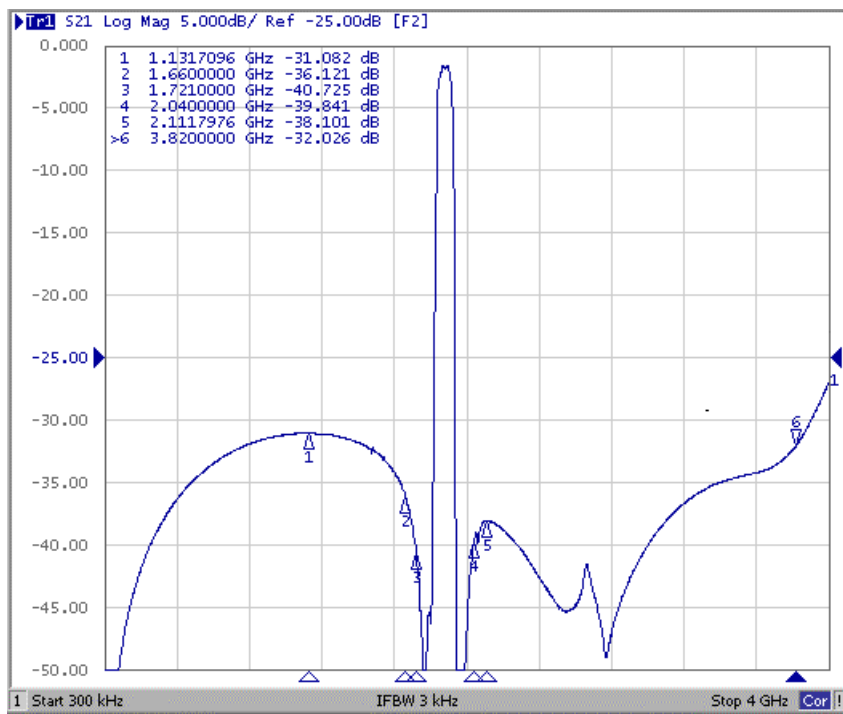
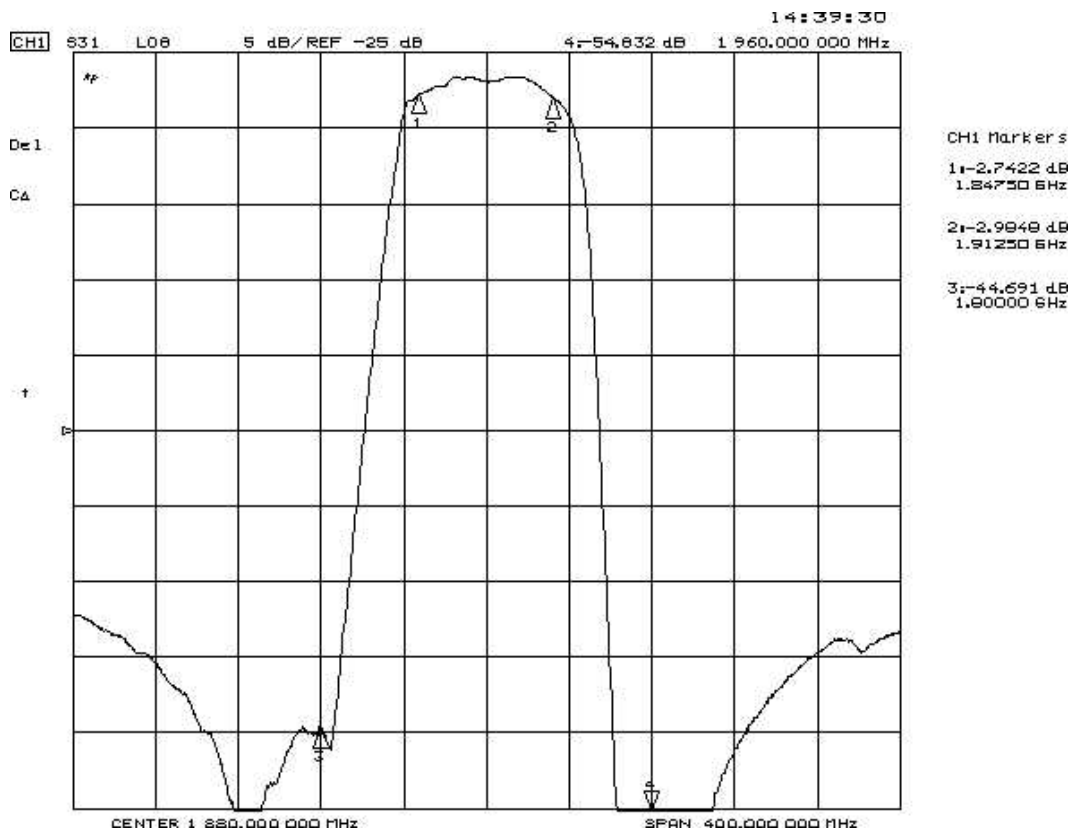


- △ : Year Code (2006->6, ..., 2009->9)
- : Date Code (Follow the table from planner each year)

**E. PCB Footprint:**

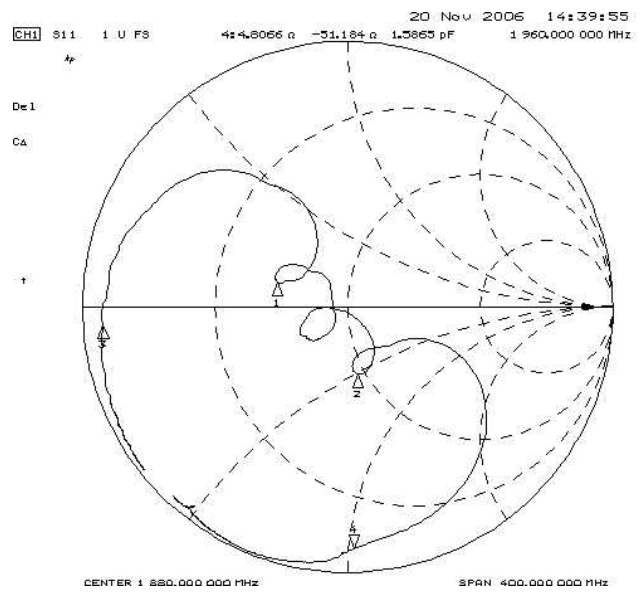
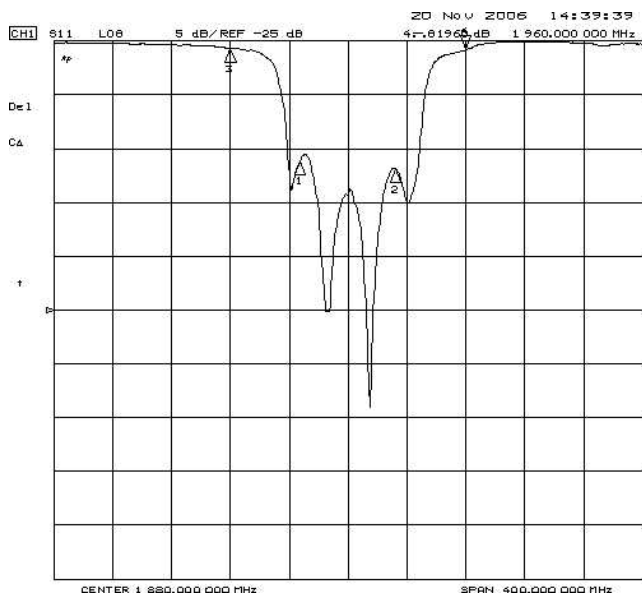


## F. Frequency Characteristics :

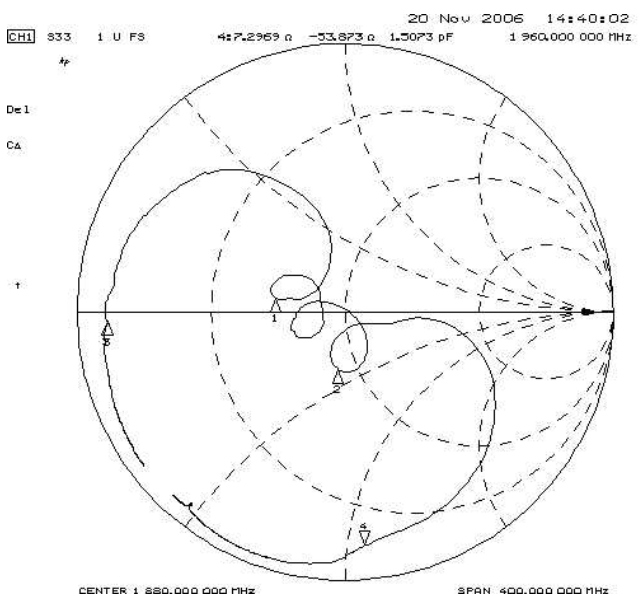
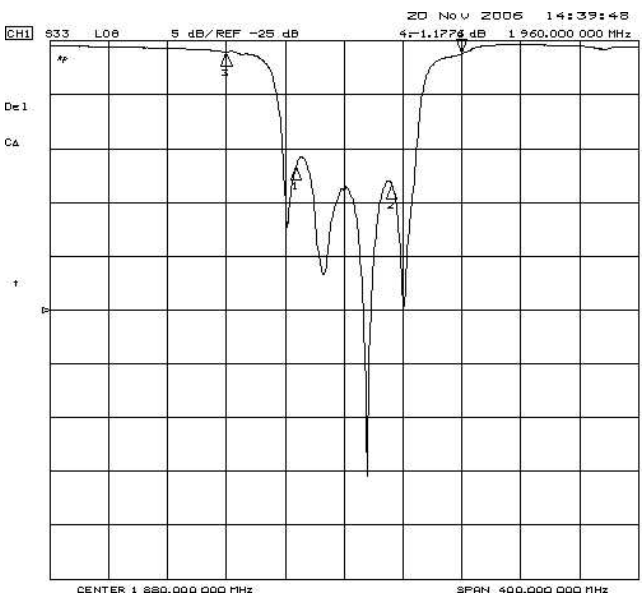


# Reflection Functions :

## S11



## S22



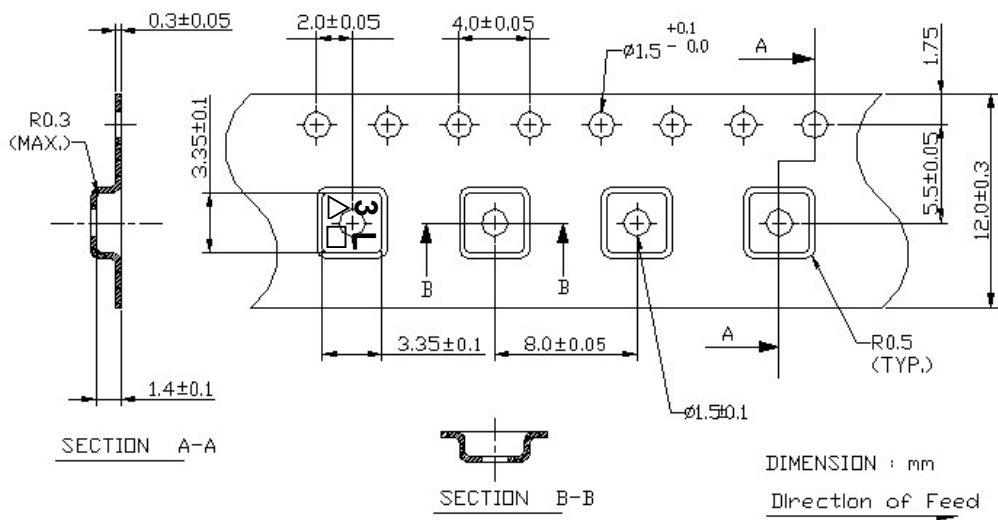
**G. PACKING:**

**1. REEL DIMENSION**

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



**2. TAPE DIMENSION**



**H. RECOMMENDED REFLOW PROFILE :**

