



# 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: Oct, 11, 2007

Product Name: SAW Filter 1732.5 MHz SMD 3.0X3.0 mm

TST Parts No.: TA0755A

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

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

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

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

Date: \_\_\_\_\_ 10, 11, 2007



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## SAW Filter 1732.5 MHz

MODEL NO.:TA0755A

REV. NO.:1

### A. MAXIMUM RATING:

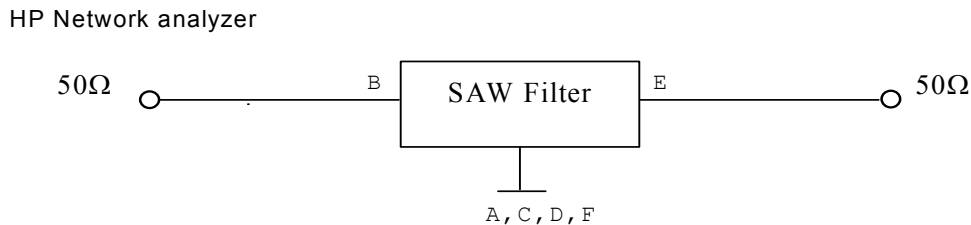
1. Input Power Level: 13 dBm
2. DC Voltage : 3V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +95°C

RoHS Compliant  
Lead free  
Lead-free soldering

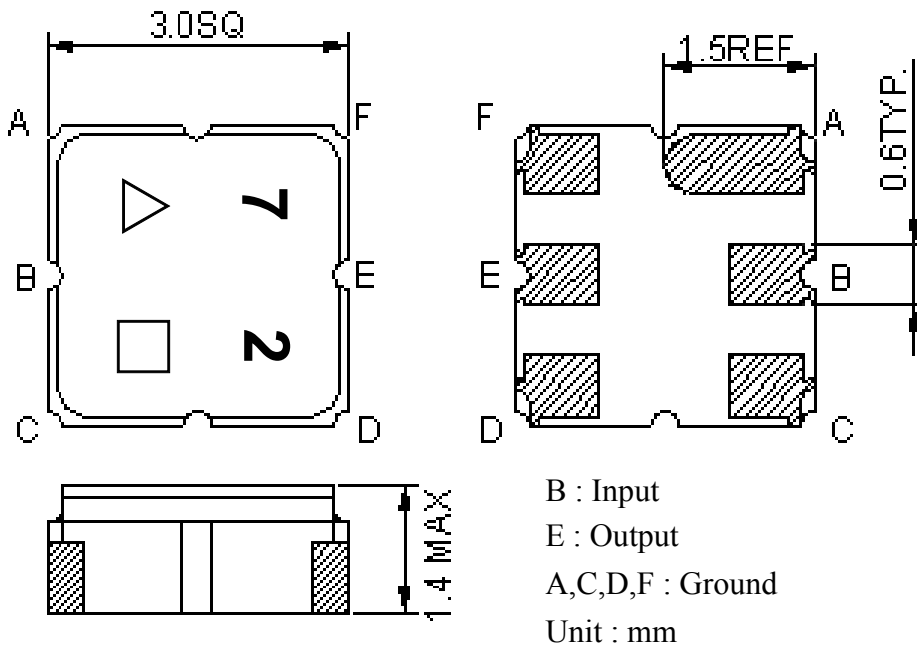
### B. ELECTRICAL CHARACTERISTICS:

| Item   | Unit | Min. | Type.  | Max. | Note |
|--|------|------|--------|------|------|
| Center Frequency <b>Fc</b>                     | MHz  | -    | 1732.5 | -    | -    |
| Insertion Loss (1710 ~ 1755 MHz) <b>IL</b>     | dB   | -    | 2.5    | 3.5  | -    |
| Amplitude Ripple (1710 ~ 1755 MHz)             | dB   | -    | 1.1    | 2    | -    |
| VSWR (1710 ~ 1755 MHz)                         |      | -    | 1.6    | 2.5  | -    |
| <b>Attenuation</b> (Reference level from 0 dB) |      |      |        |      |      |
| 1500 ~ 1670 MHz                                | dB   | 25   | 37     | -    | -    |
| 1795 ~ 2000 MHz                                | dB   | 25   | 40     | -    | -    |

### C. MEASUREMENT CIRCUIT:



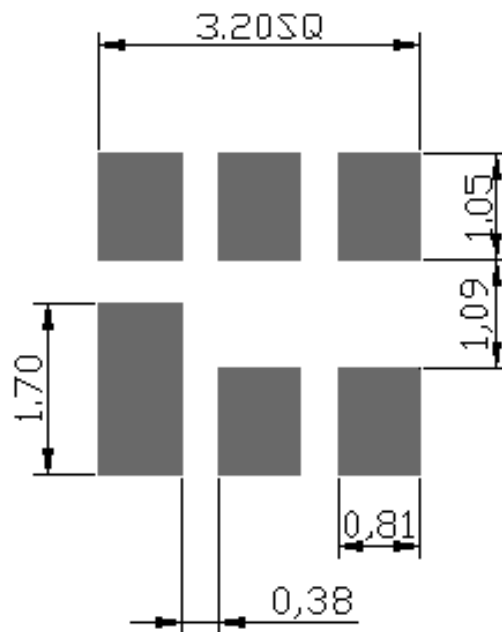
**D.OUTLINE DRAWING:**



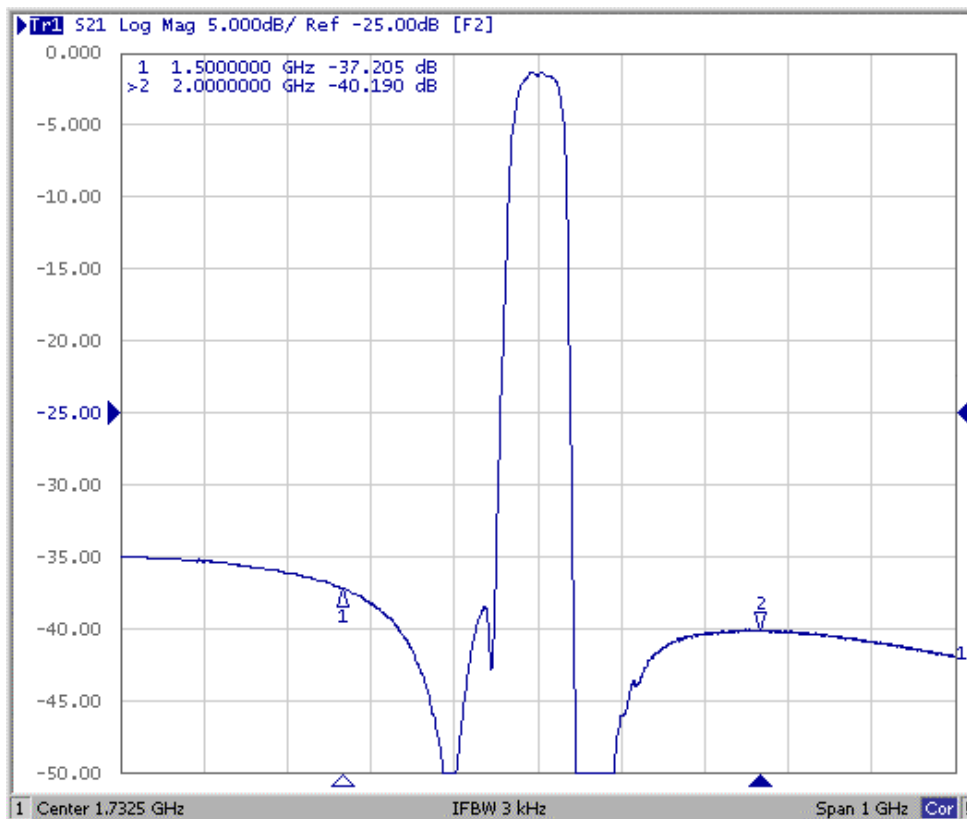
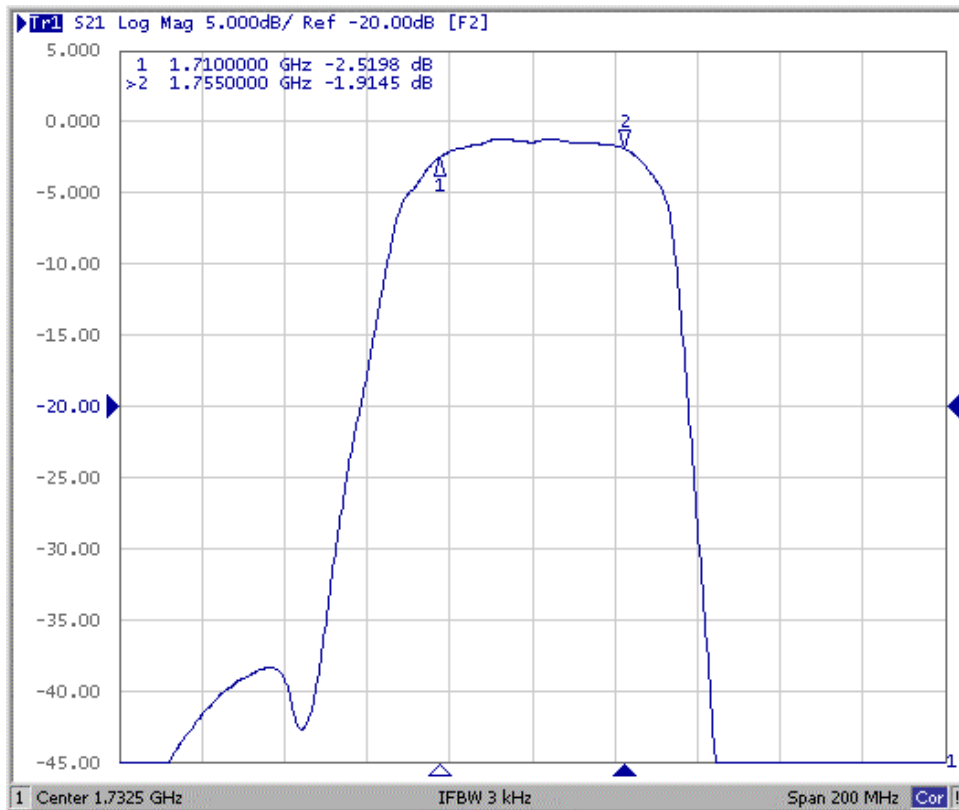
△ : Year Code (2006->6, ..., 2009->9)

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

**E. PCB Footprint:**

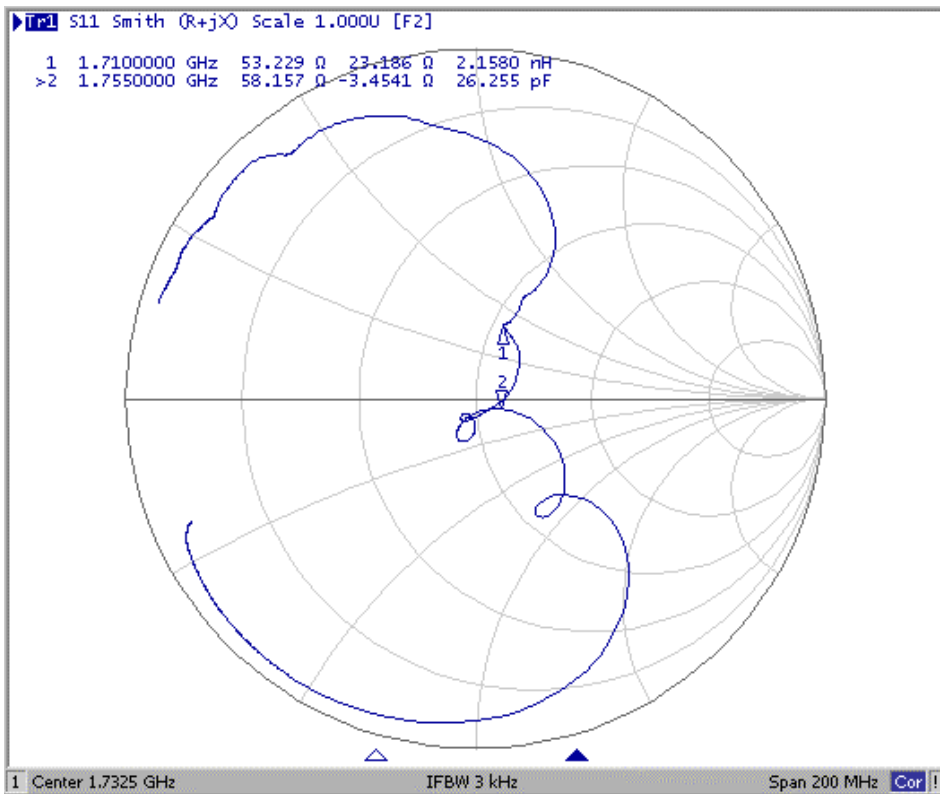
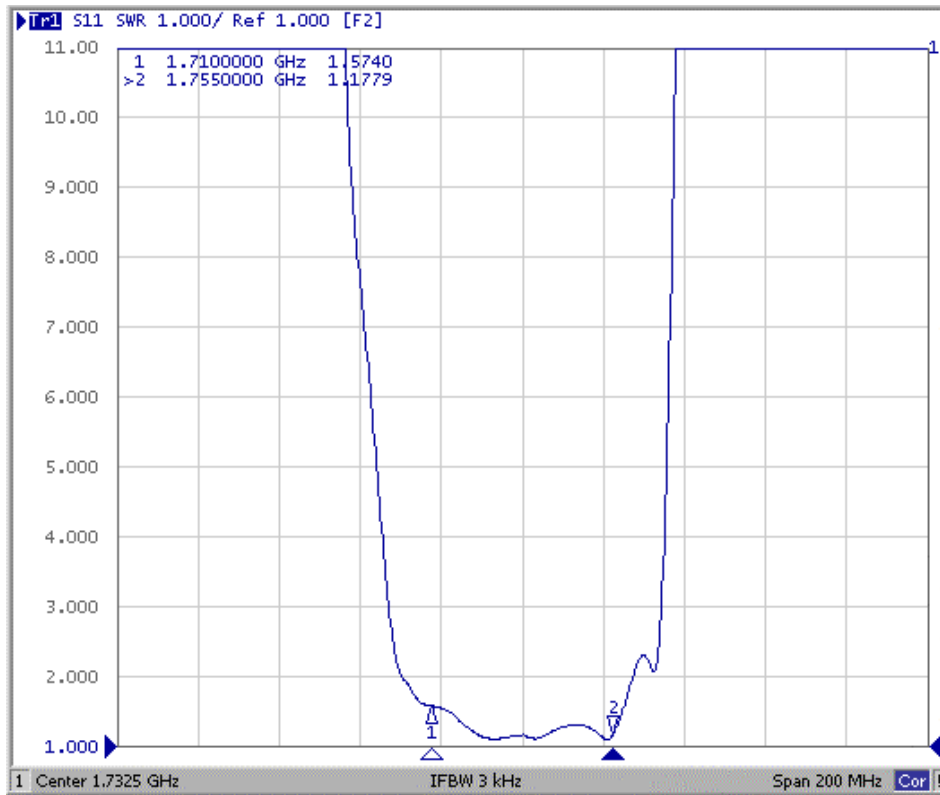


## F. Frequency Characteristics :

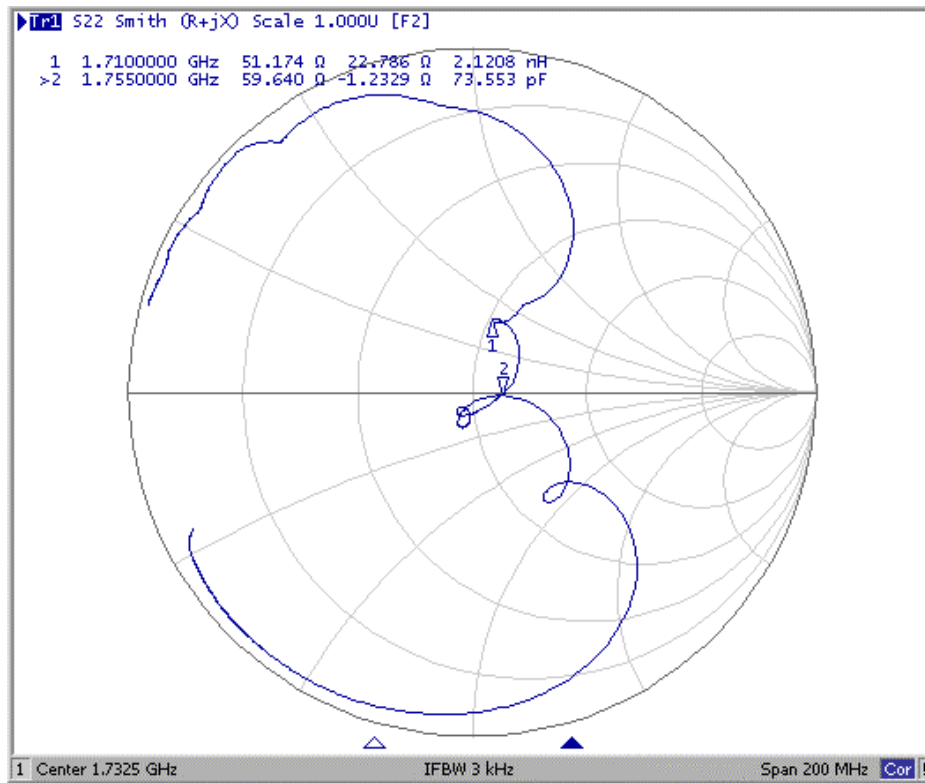
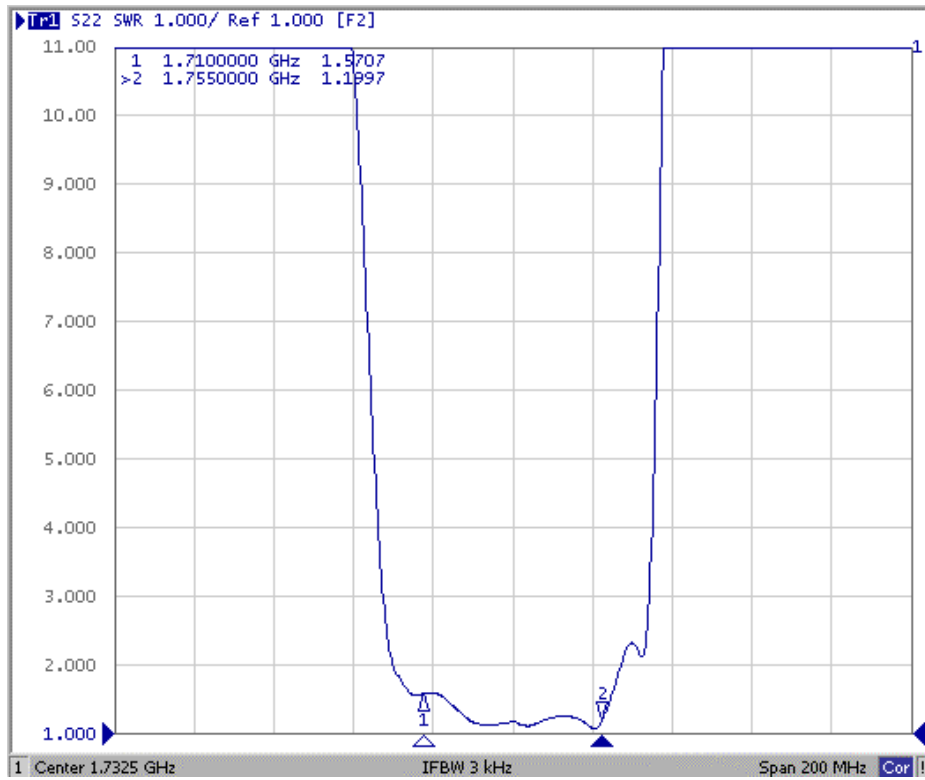


# Reflection Functions :

## S11



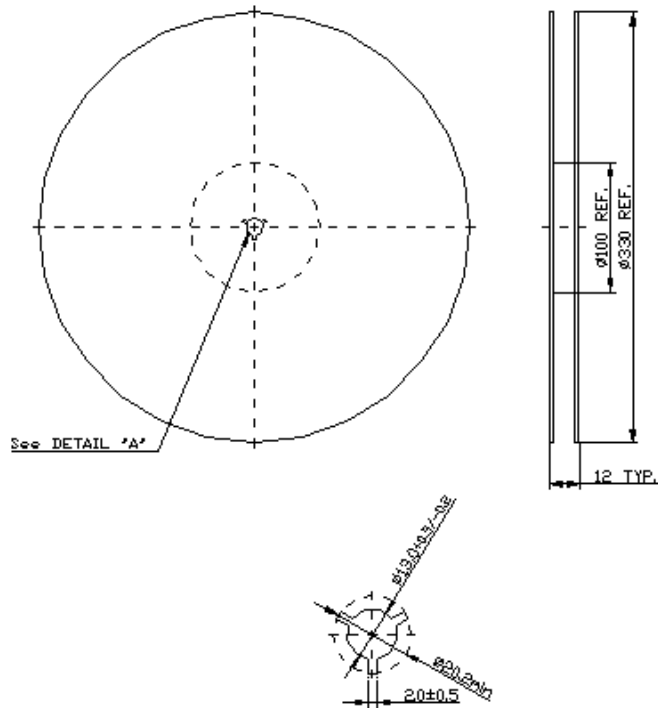
# S22



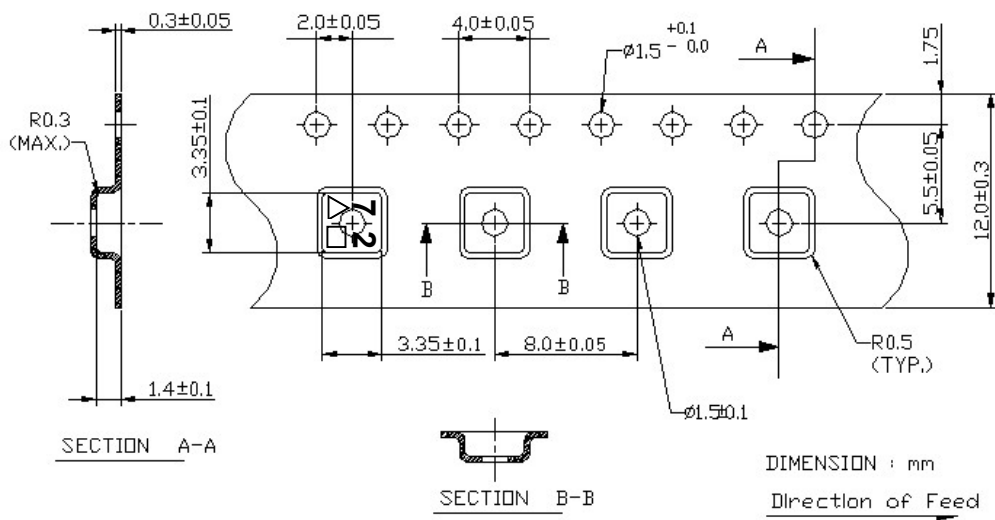
**G. PACKING:**

**1. REEL DIMENSION**

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



**2.TAPE DIMENSION**



**H. RECOMMENDED REFLOW PROFILE :**

