



# 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: Dec, 24, 2008

Product Name: SAW Filter 746 MHz SMD 3.8X3.8 mm

TST Parts No.: TA0959A

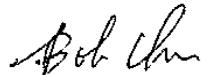
Customer Parts No.: \_\_\_\_\_

Company: \_\_\_\_\_

Division: \_\_\_\_\_

Approved by : \_\_\_\_\_

Date: \_\_\_\_\_

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

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

Date: \_\_\_\_\_ 12, 24, 2008



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## SAW Filter 746 MHz

MODEL NO.:TA0959A

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

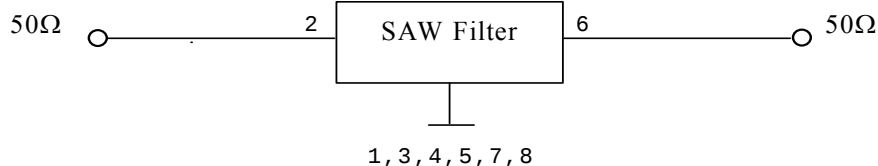
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

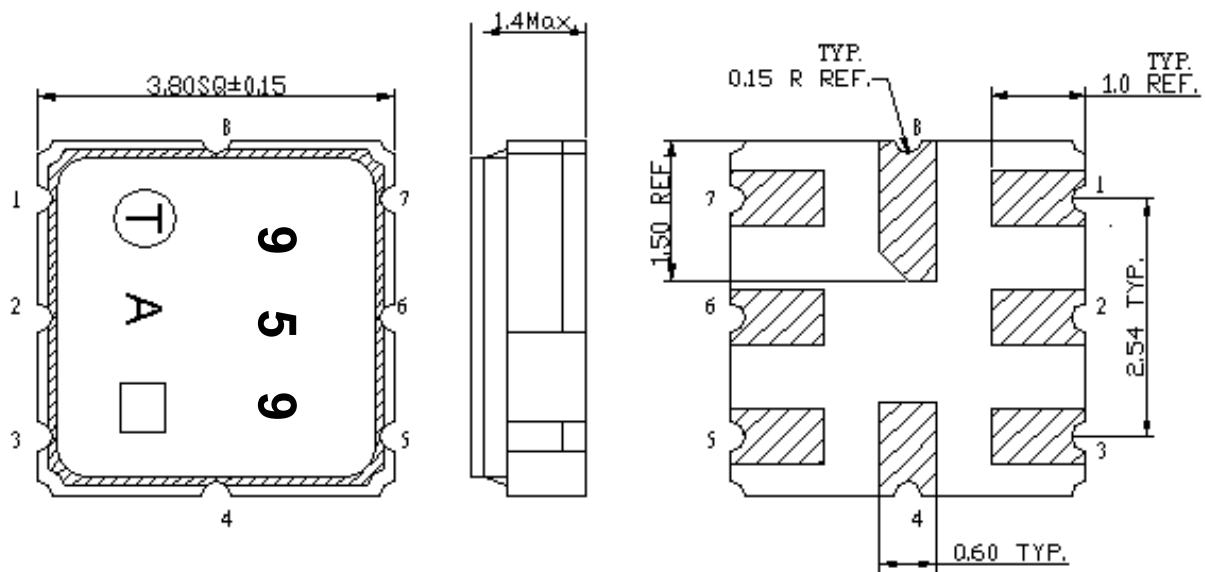
| Item                                    | Unit   | Min. | Typ. | Max. | Note |
|-----------------------------------------|--------|------|------|------|------|
| Center Frequency Fc                     | MHz    | -    | 746  | -    | -    |
| Insertion loss (740~752MHz) IL          | dB     | -    | 1.8  | 4.5  | -    |
| Amplitude Ripple (740 ~ 752 MHz)        | dB     | -    | 0.75 | 2    | -    |
| Group Delay Variation (740~752 MHz)     | ns     | -    | 20   | 45   | -    |
| Attenuation (Reference level from 0 dB) |        |      |      |      |      |
| 0 ~ 650 MHz                             | dB     | 37   | 43   | -    | -    |
| 650 ~ 700 MHz                           | dB     | 35   | 45   | -    | -    |
| 708 ~ 722 MHz                           | dB     | 35   | 47   | -    | -    |
| 772 ~ 800 MHz                           | dB     | 30   | 50   | -    | -    |
| 800 ~ 850 MHz                           | dB     | 40   | 47   | -    | -    |
| 850 ~ 1000 MHz                          | dB     | 35   | 47   | -    | -    |
| 1000 ~ 1500 MHz                         | dB     | 25   | 47   | -    | -    |
| Temperature Coefficient of Frequency    | Ppm/°C | -    | -35  | -    | -    |

### C. MEASUREMENT CIRCUIT:

HP Network analyzer



## D.OUTLINE DRAWING:



2 : Input

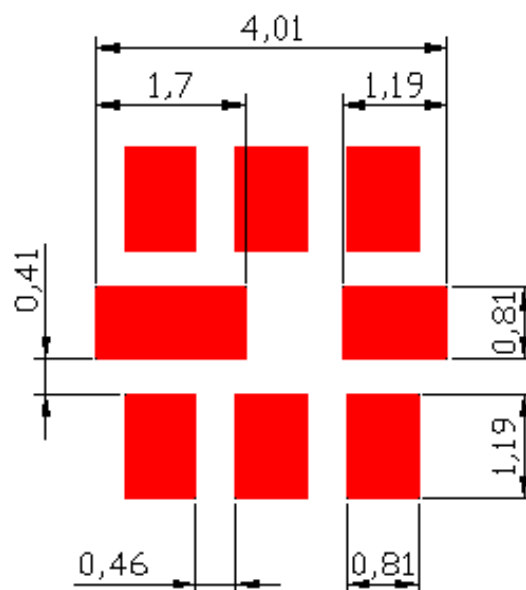
6: Output

1,3,4,5,7,8: Ground

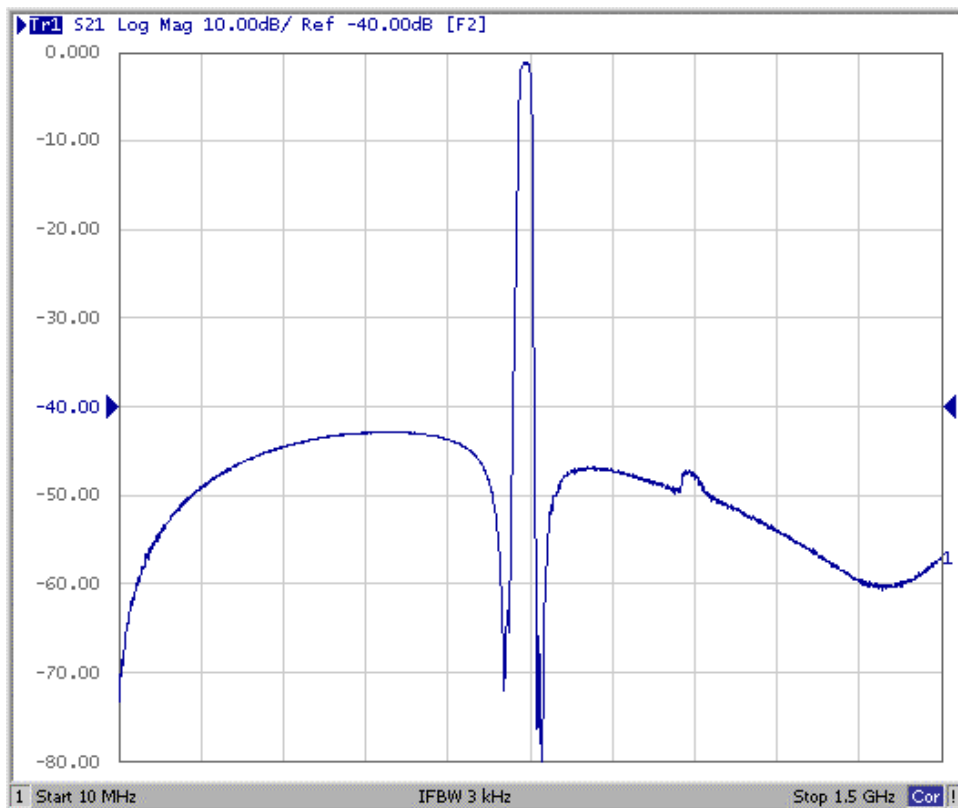
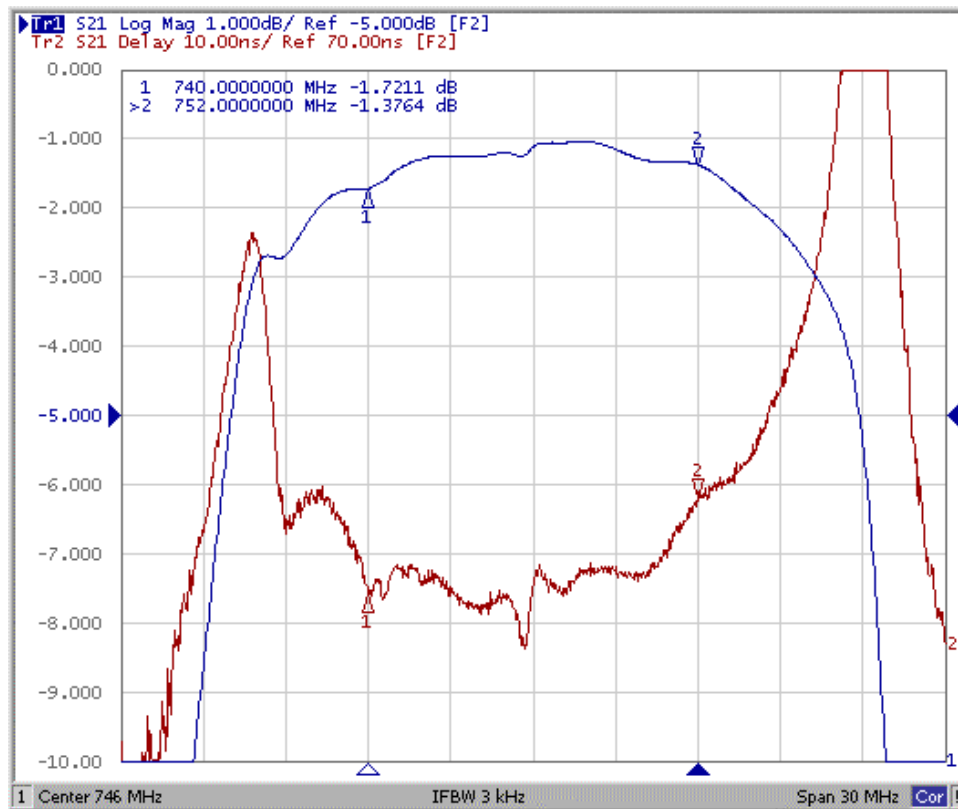
□ : Date Code (W01->A, W02->B,...W52->z)

Unit: mm

## E. PCB Footprint:



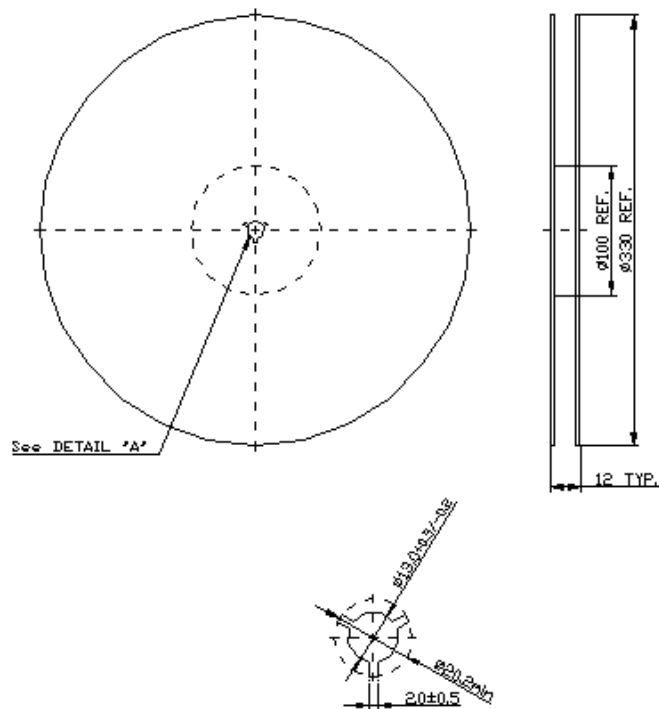
## F. Frequency Characteristics :



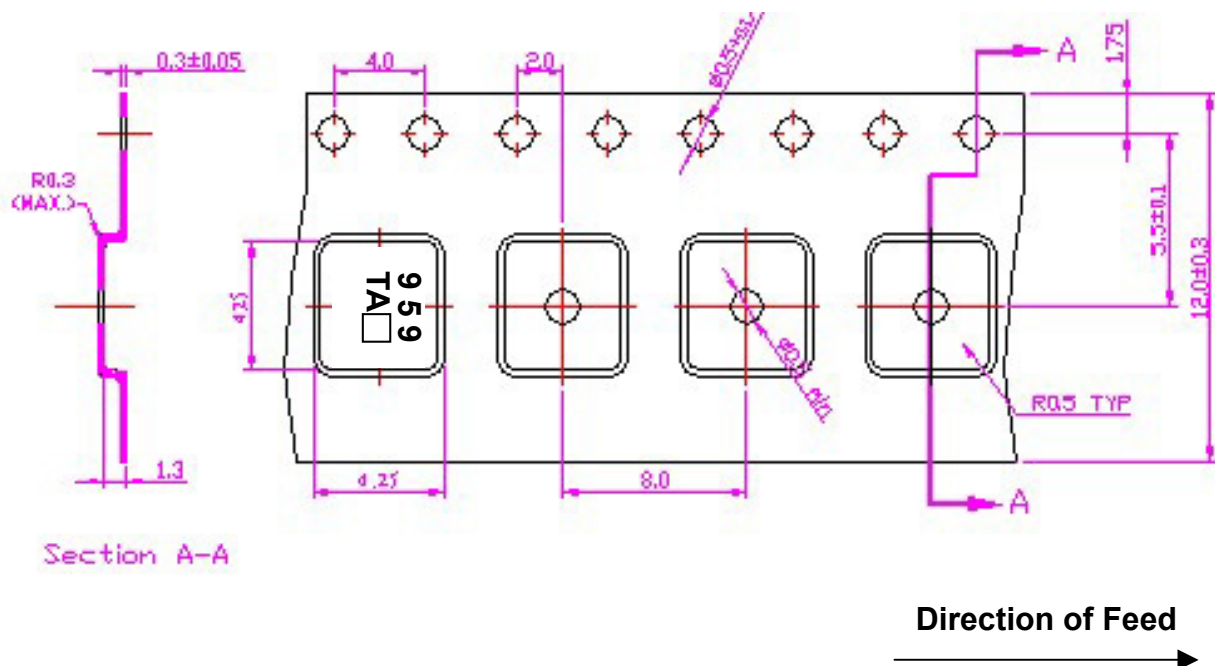
## G. PACKING:

### 1. REEL DIMENSION

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



### 2.TAPE DIMENSION



**H. RECOMMENDED REFLOW PROFILE :**

