



# TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,  
Taoyuan, 324, Taiwan, R.O.C.

TEL: 886-3-4690038 FAX: 886-3-4697532

E-mail: [tstsales@mail.taisaw.com](mailto:tstsales@mail.taisaw.com) Web: [www.taisaw.com](http://www.taisaw.com)

## Approval Sheet For Product Specification

Issued Date: Jul, 8, 2008

Product Name: SAW Filter 710 MHz SMD 3.8X3.8 mm

TST Parts No.: TA0881A

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

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

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

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

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

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

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

Date: \_\_\_\_\_ 7, 8, 2008



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## SAW Filter 710 MHz

MODEL NO.:TA0881A

REV. NO.:1

### A. MAXIMUM RATING:

1. Input Power Level: 12 dBm
2. DC Voltage : 3V
3. Operating Temperature: -20°C to +75°C
4. Storage Temperature: -40°C to +85°C

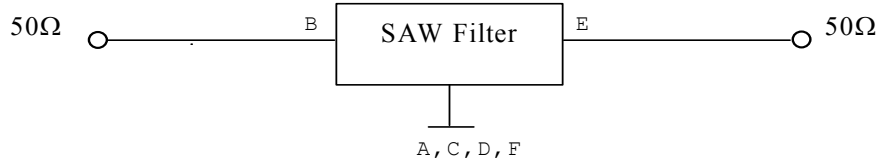
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

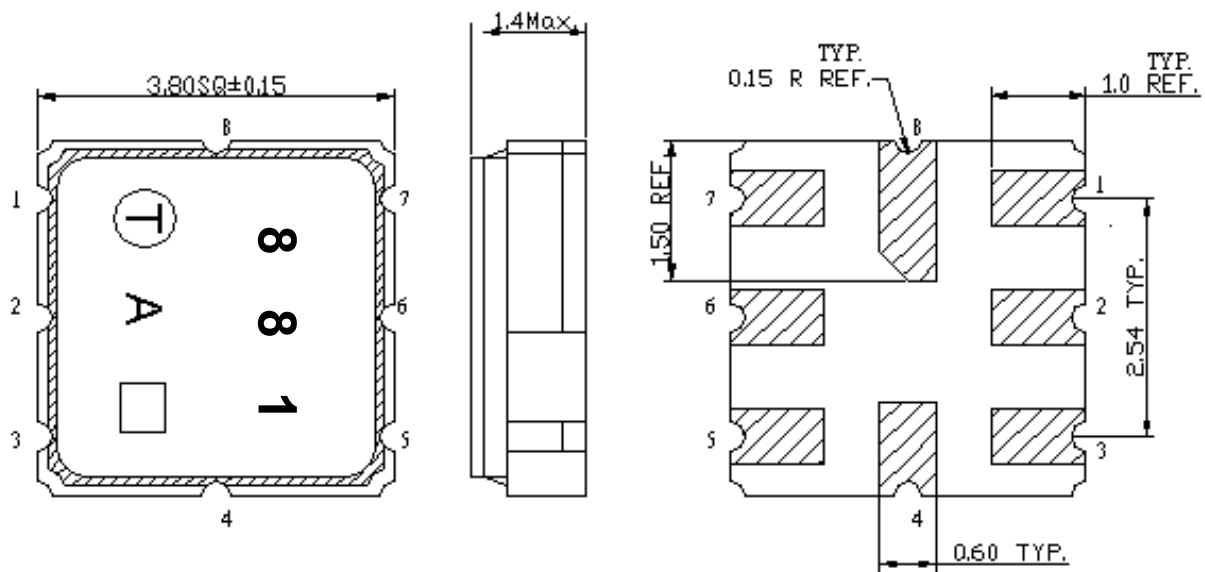
| Item                                           | Unit   | Min. | Typ. | Max. | Note |
|------------------------------------------------|--------|------|------|------|------|
| Center Frequency <b>F<sub>c</sub></b>          | MHz    | -    | 710  | -    | -    |
| Insertion loss (704~716MHz) <b>IL</b>          | dB     | -    | 1.6  | 4.5  | -    |
| Amplitude Ripple (704 ~ 716 MHz)               | dB     | -    | 0.8  | 2    | -    |
| Group Delay Variation (704~716 MHz)            | ns     | -    | 20   | 45   | -    |
| <b>Attenuation</b> (Reference level from 0 dB) |        |      |      |      |      |
| 0 ~ 613 MHz                                    | dB     | 37   | 41   | -    | -    |
| 613 ~ 663 MHz                                  | dB     | 37   | 42   | -    | -    |
| 663 ~ 690 MHz                                  | dB     | 20   | 40   | -    | -    |
| 734 ~ 746 MHz                                  | dB     | 35   | 55   | -    | -    |
| 763 ~ 813 MHz                                  | dB     | 40   | 44   | -    | -    |
| 813 ~ 1000 MHz                                 | dB     | 38   | 44   | -    | -    |
| 1000 ~ 1500 MHz                                | dB     | 25   | 44   | -    | -    |
| Temperature Coefficient of Frequency           | Ppm/°C | -    | -35  | -    | -    |

### C. MEASUREMENT CIRCUIT:

HP Network analyzer



## D.OUTLINE DRAWING:



2 : Input

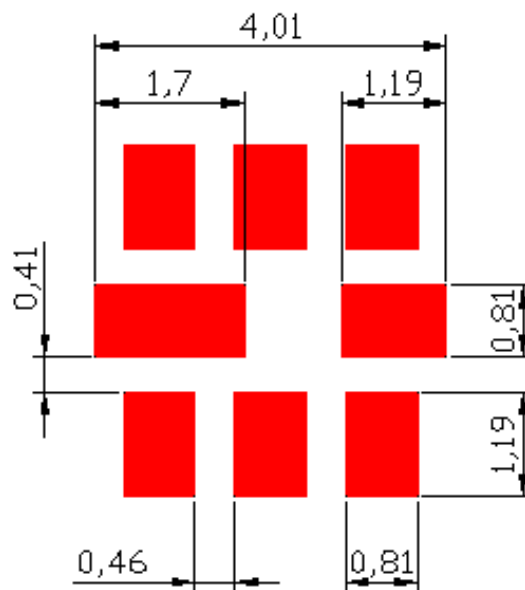
6: Output

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

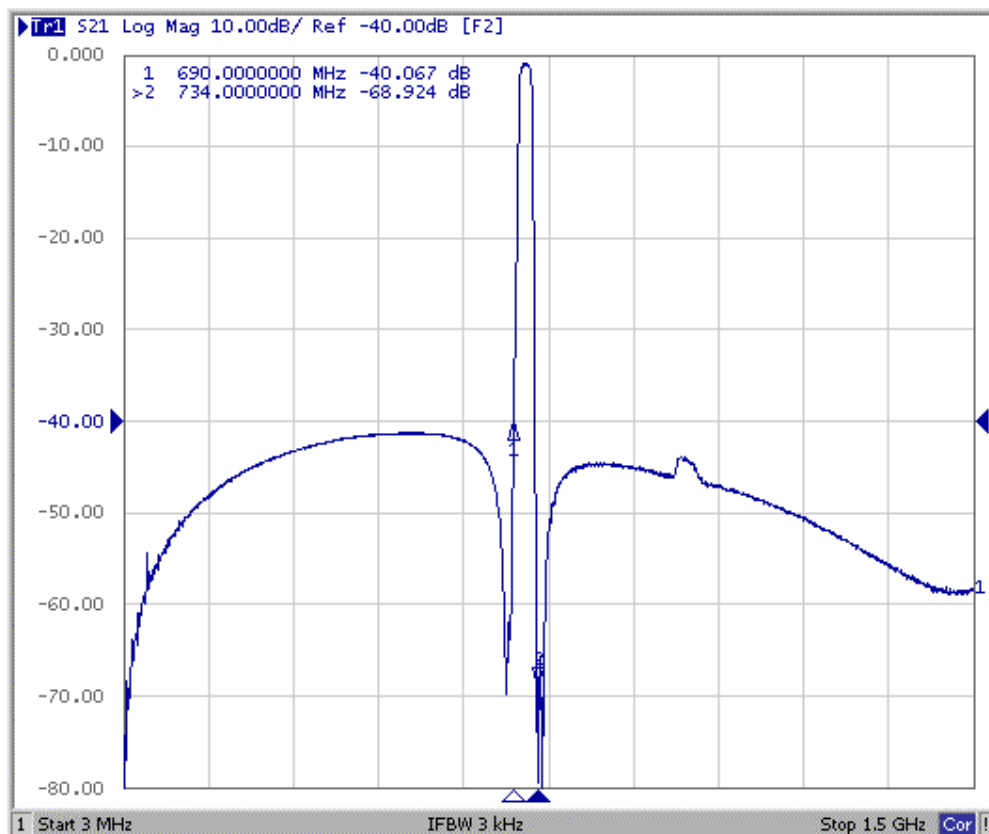
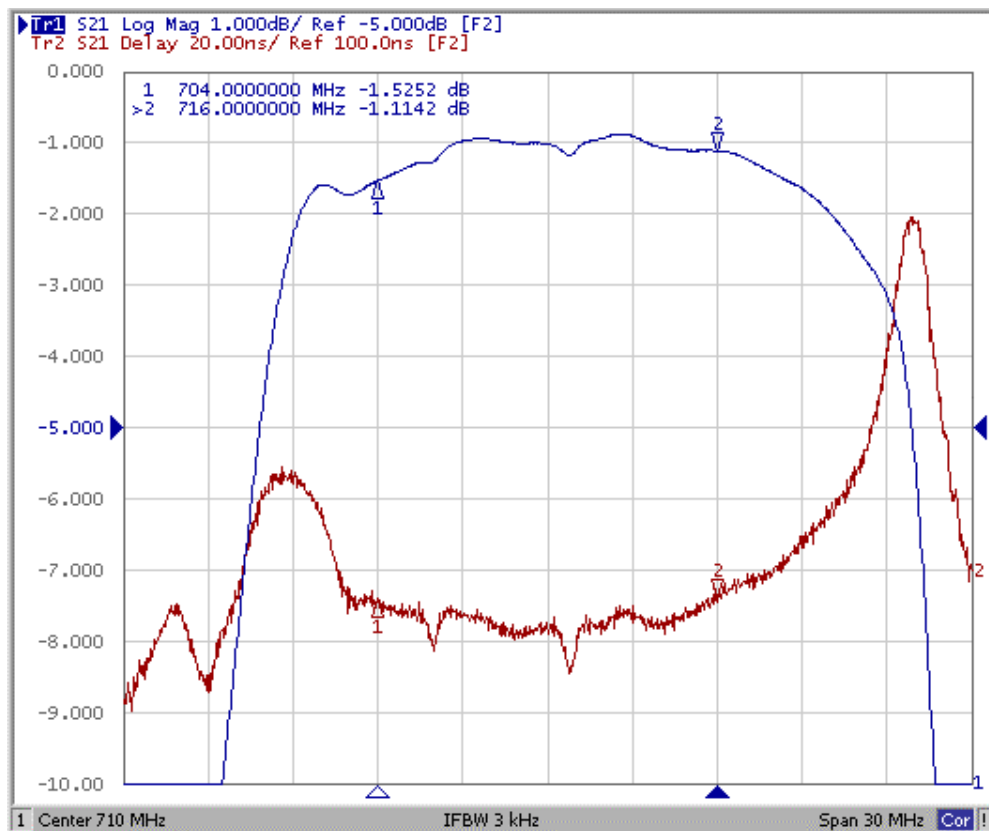
□ : Date Code (W01->A, W02->B,...W52->z)

Unit: mm

## E. PCB Footprint:

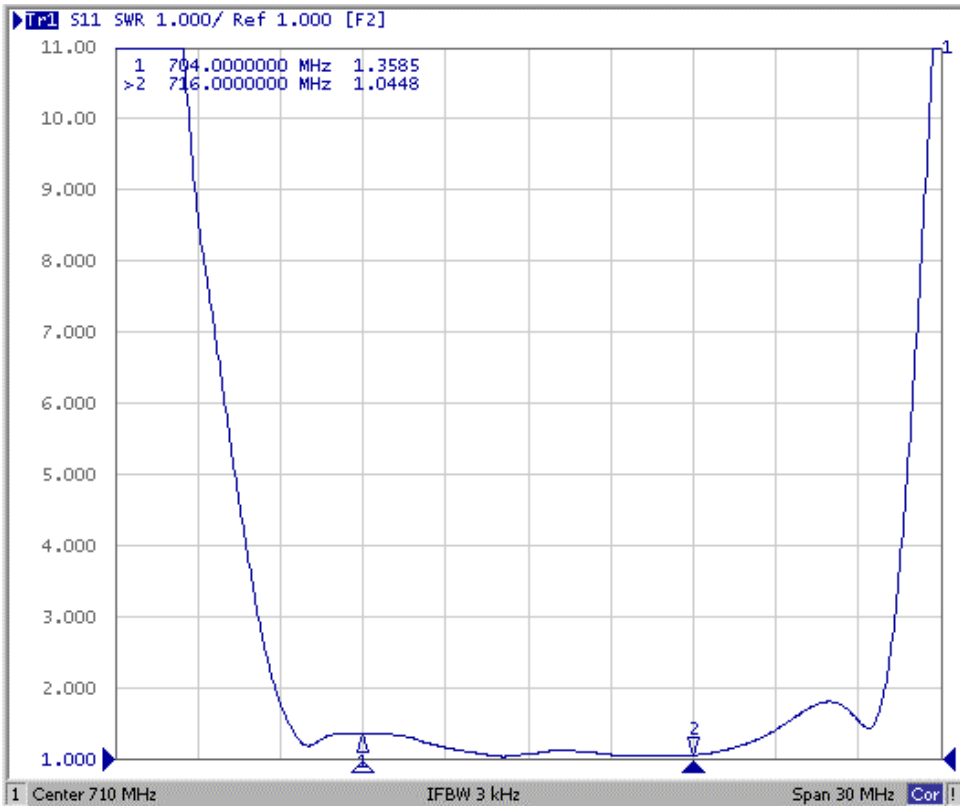


## F. Frequency Characteristics :

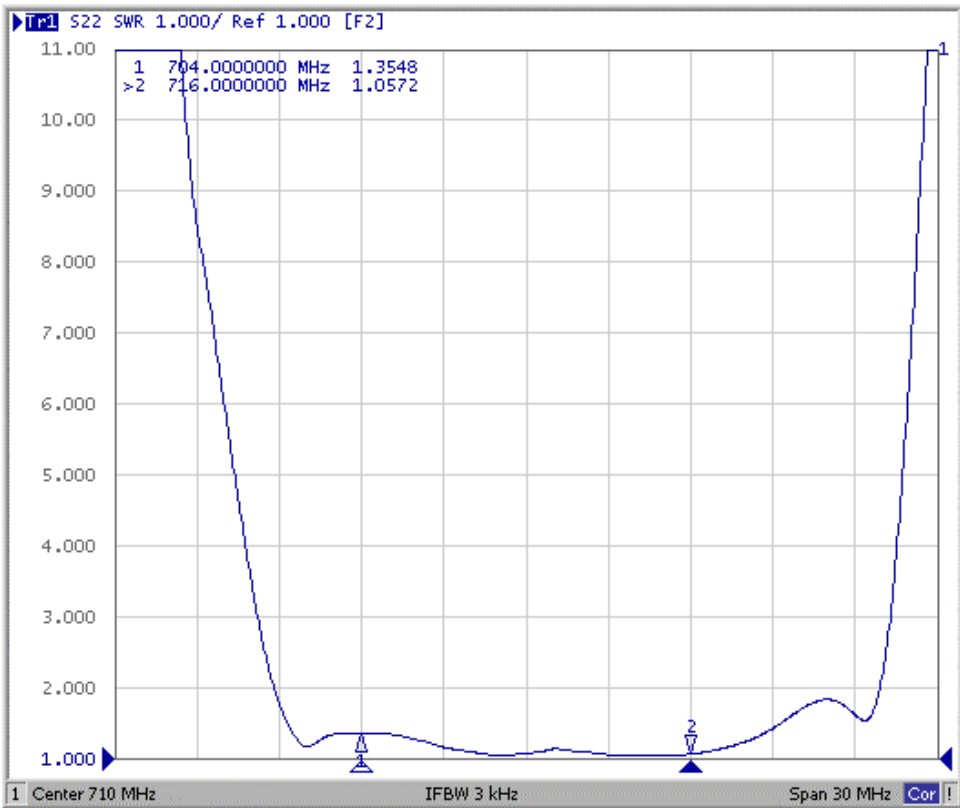


Reflection Functions :

S11



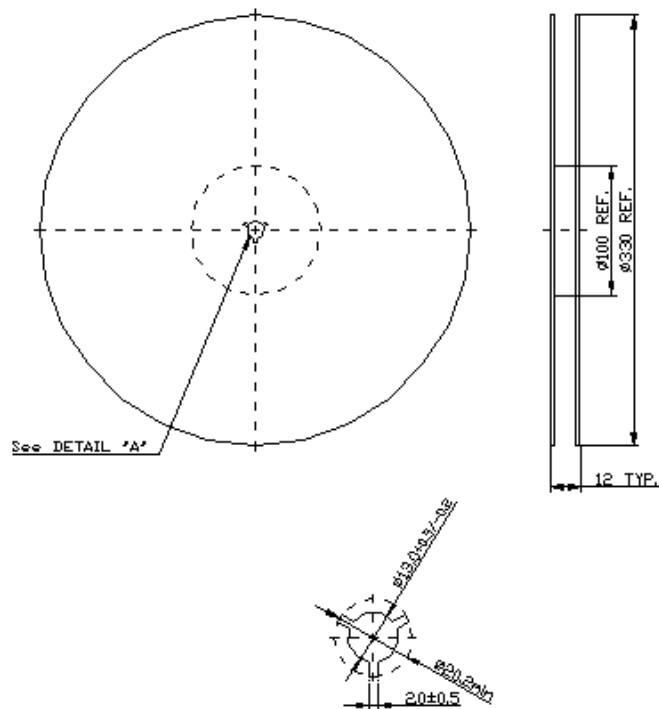
S22



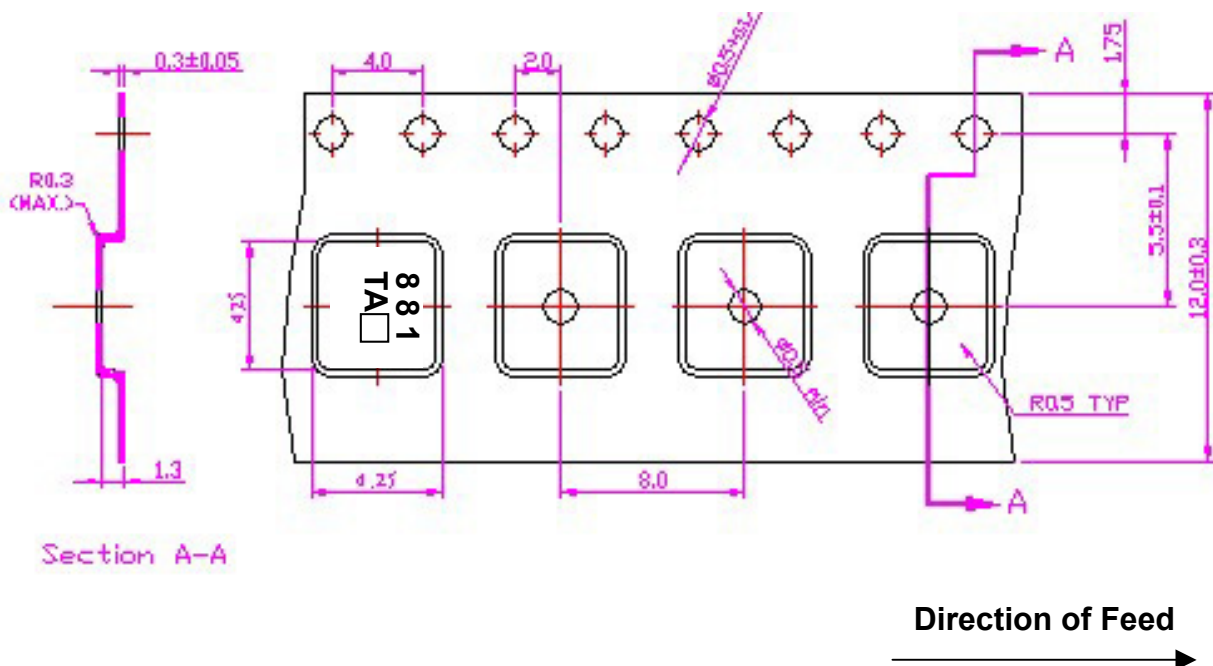
## G. PACKING:

### 1. REEL DIMENSION

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



### 2.TAPE DIMENSION



**H. RECOMMENDED REFLOW PROFILE :**

