



# 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: Dec, 18, 2008

Product Name: SAW Filter 836.5 MHz SMD 3.0X3.0 mm

TST Parts No.: TA0968A

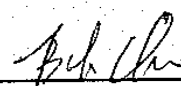
Customer Parts No.: \_\_\_\_\_

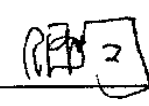
Company: \_\_\_\_\_

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

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

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

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

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

Date: \_\_\_\_\_ 12, 18, 2008



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## SAW Filter 836.5MHz

MODEL NO.:TA0968A

REV. NO.:1

### A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +95°C

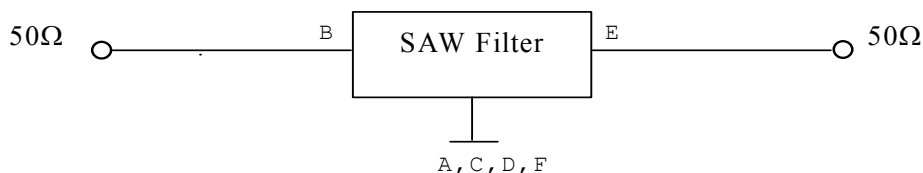
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

| Item                                    | Unit | Min. | Type. | Max. | Note |
|-----------------------------------------|------|------|-------|------|------|
| Center Frequency Fc                     | MHz  | -    | 836.5 | -    | -    |
| Insertion Loss (824 ~ 849 MHz) IL       | dB   | -    | 2.5   | 3.1  | -    |
| Amplitude Ripple (824 ~ 849 MHz)        | dB   | -    | 0.9   | 1.5  | -    |
| VSWR (824 ~ 849 MHz)                    |      | -    | 1.7   | 2    | -    |
| Relative Attenuation (relative to 0 dB) |      |      |       |      |      |
| 10 ~ 800 MHz                            | dB   | 30   | 51    | -    | -    |
| 869 ~ 894 MHz                           | dB   | 20   | 26.5  | -    | -    |
| 894 ~ 920 MHz                           | dB   | 34   | 39    | -    | -    |
| 920 ~ 1210 MHz                          | dB   | 40   | 60    | -    | -    |
| 1210 ~ 1500 MHz                         | dB   | 30   | 58    | -    | -    |
| 1500 ~ 2000 MHz                         | dB   | 25   | 45    | -    | -    |
| 2000 ~ 2600 MHz                         | dB   | 20   | 33    | -    | -    |
| 2600 ~ 3000 MHz                         | dB   | 15   | 28    | -    | -    |

### C. MEASUREMENT CIRCUIT:

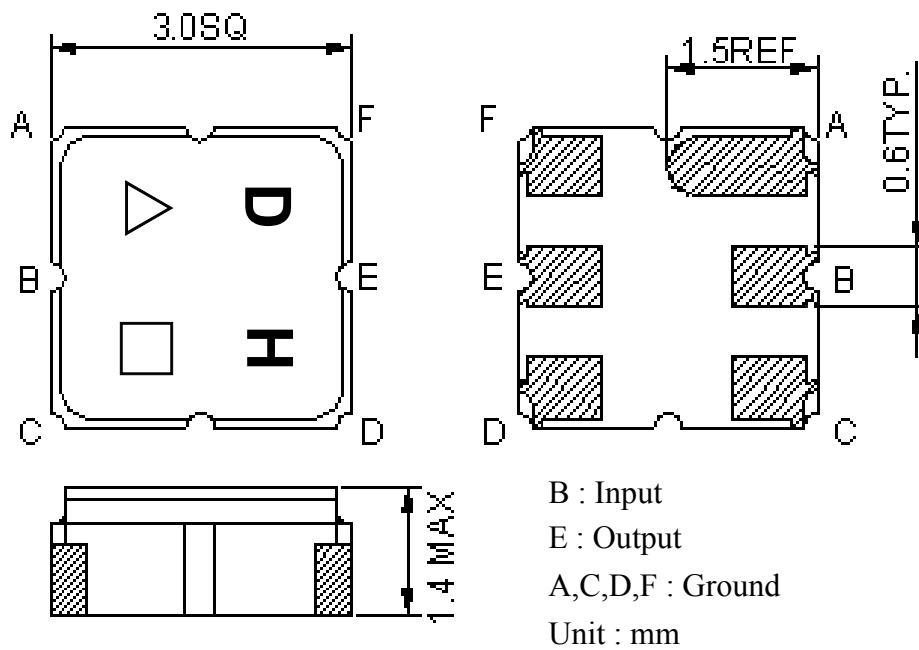
HP Network analyzer



TAI-SAW TECHNOLOGY CO., LTD.

TST DCC  
Release document

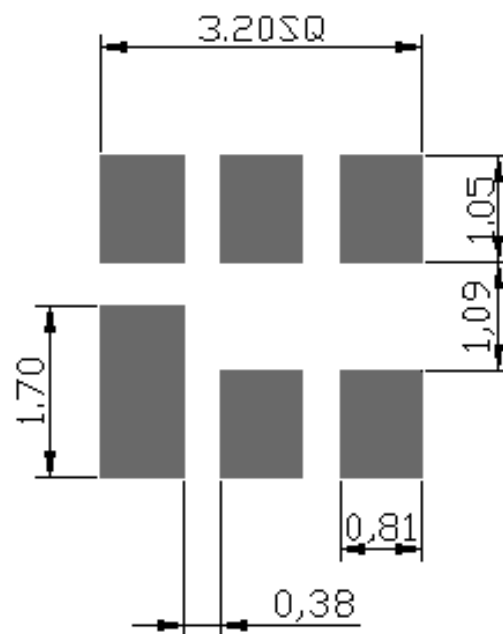
#### D.OUTLINE DRAWING:



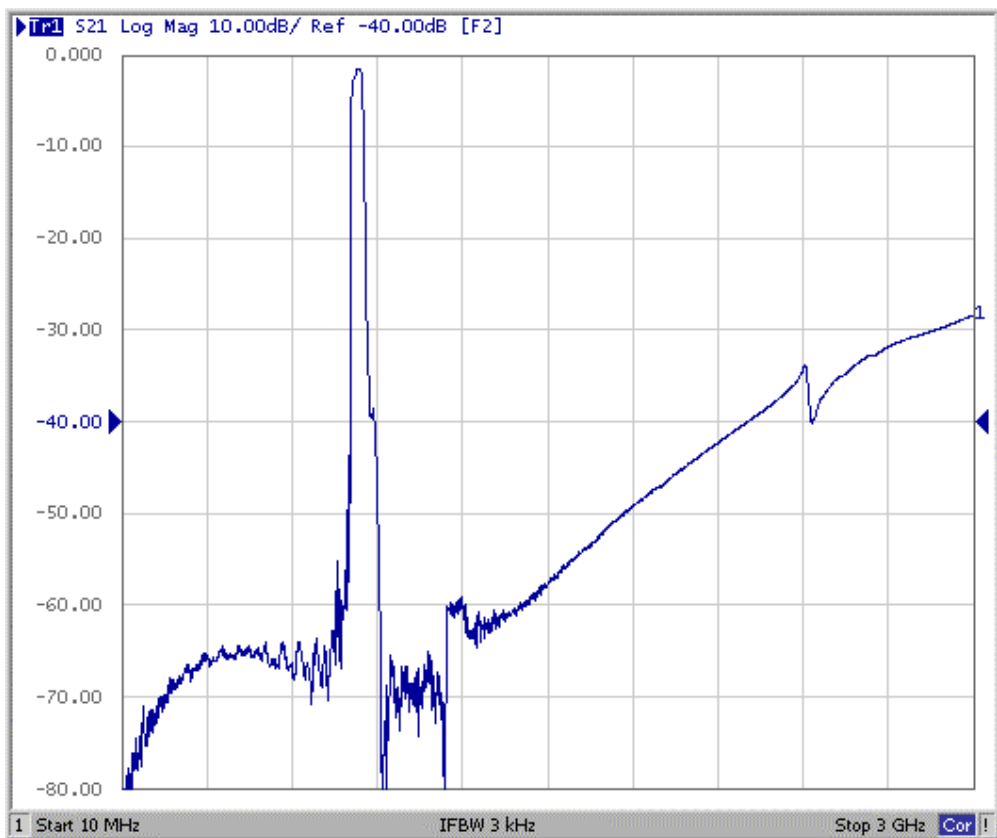
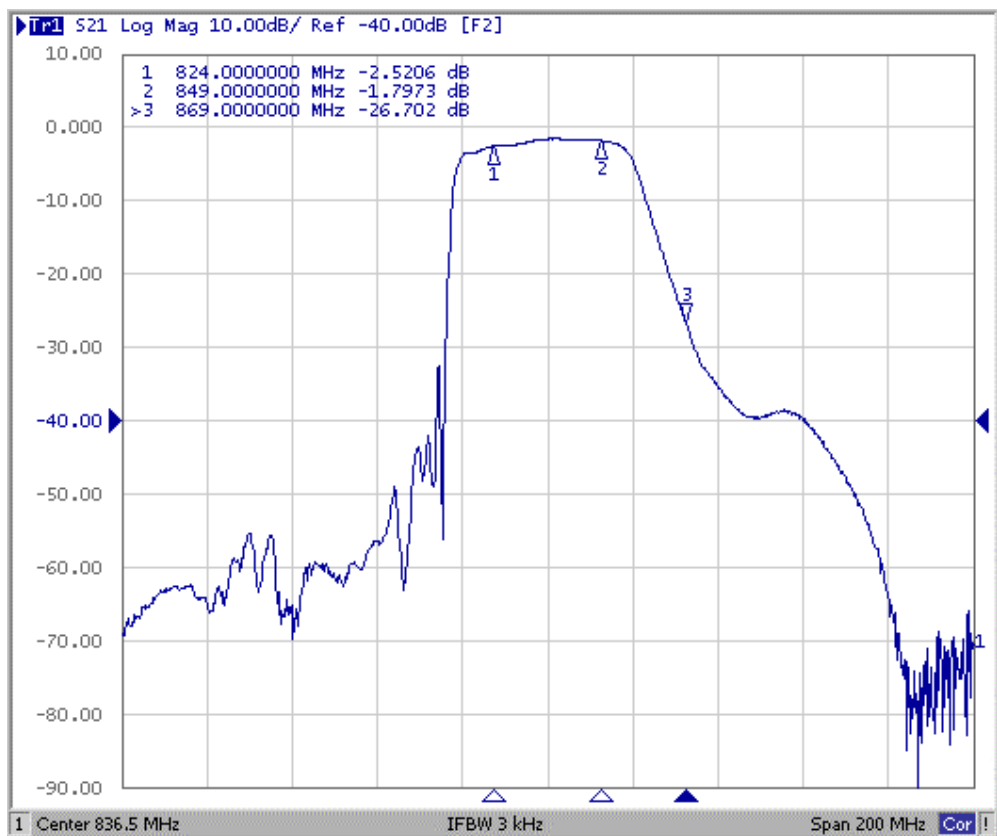
△ : Year Code (2006->6, ..., 2009->9)

□ : Date Code (W01->A,...,W26->Z,W27->a,...,W52->z)

#### E. PCB Footprint:

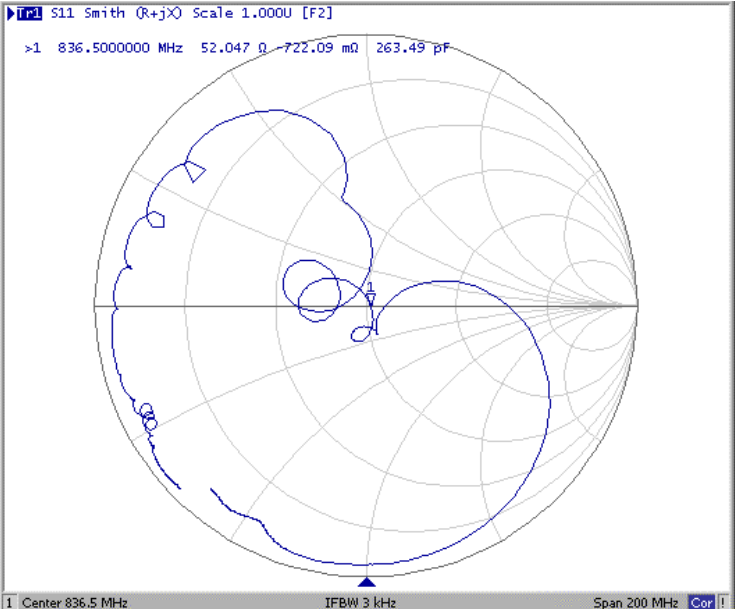
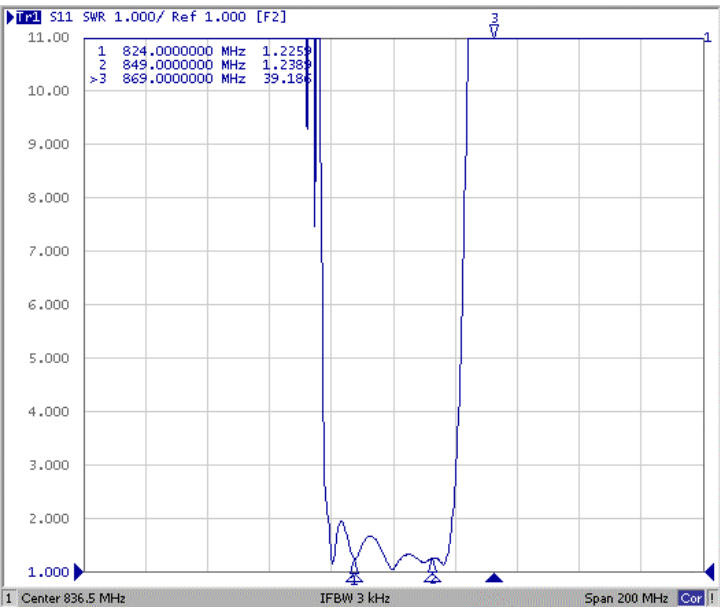


F. Frequency Characteristics :

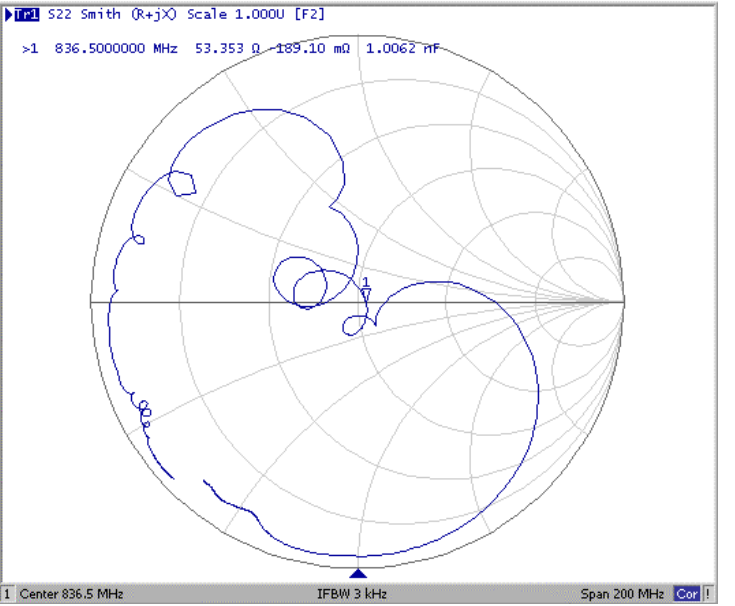
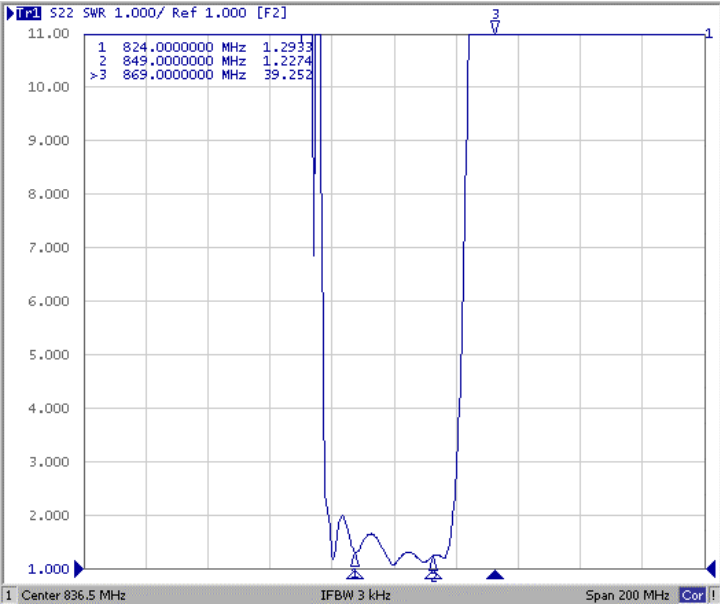


Reflections Functions :

S11 VSWR



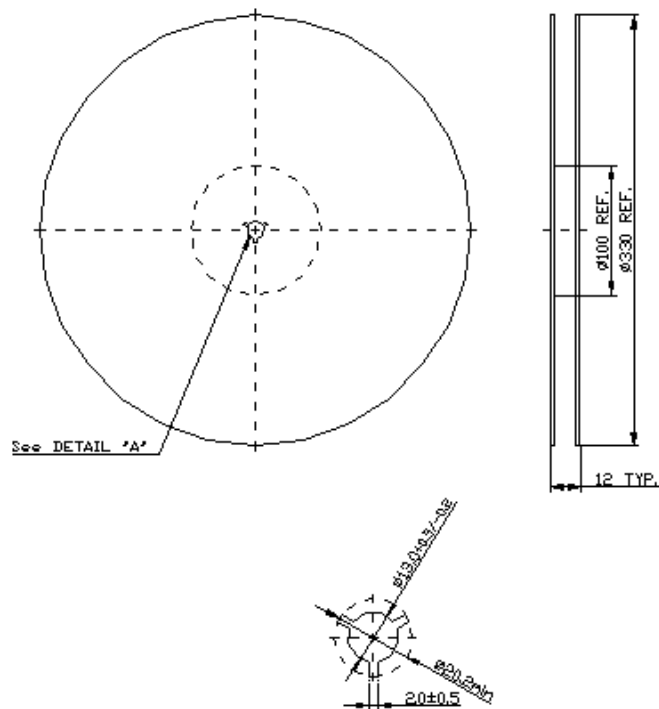
S22 VSWR



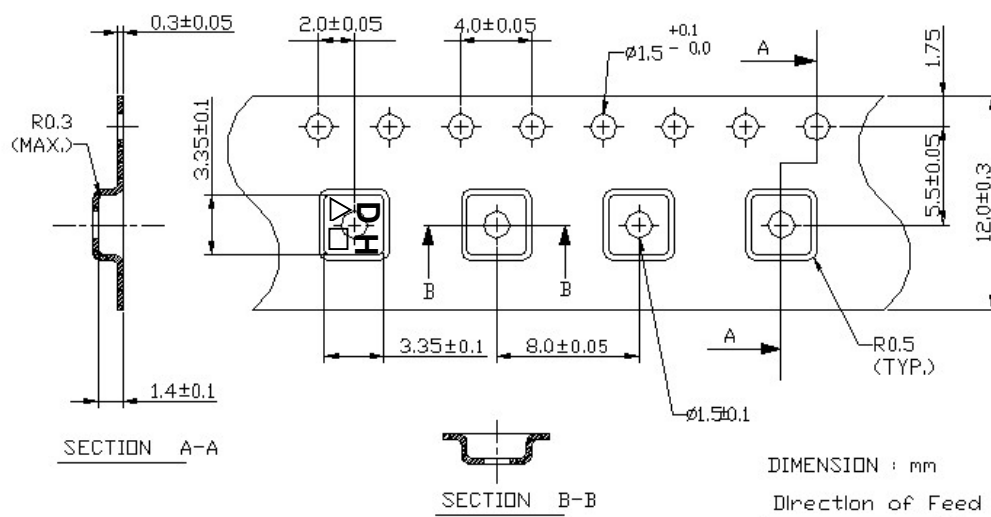
## G. PACKING:

### 1. REEL DIMENSION

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



### 2.TAPE DIMENSION



**H. RECOMMENDED REFLOW PROFILE :**

