



## 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: Jun, 27, 2007

Product Name: SAW Filter 895.5 MHz SMD 3.0X3.0 mm

TST Parts No.: TA0627A

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

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

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

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

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

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

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

Date: \_\_\_\_\_ 6, 27, 2007



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## SAW Filter 895.5MHz

MODEL NO.:TA0627A

REV. NO.:1

### A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -30°C to +80°C
4. Storage Temperature: -40°C to +85°C

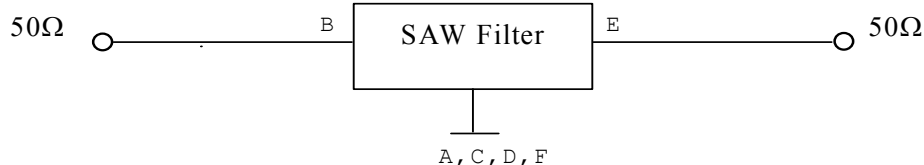
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

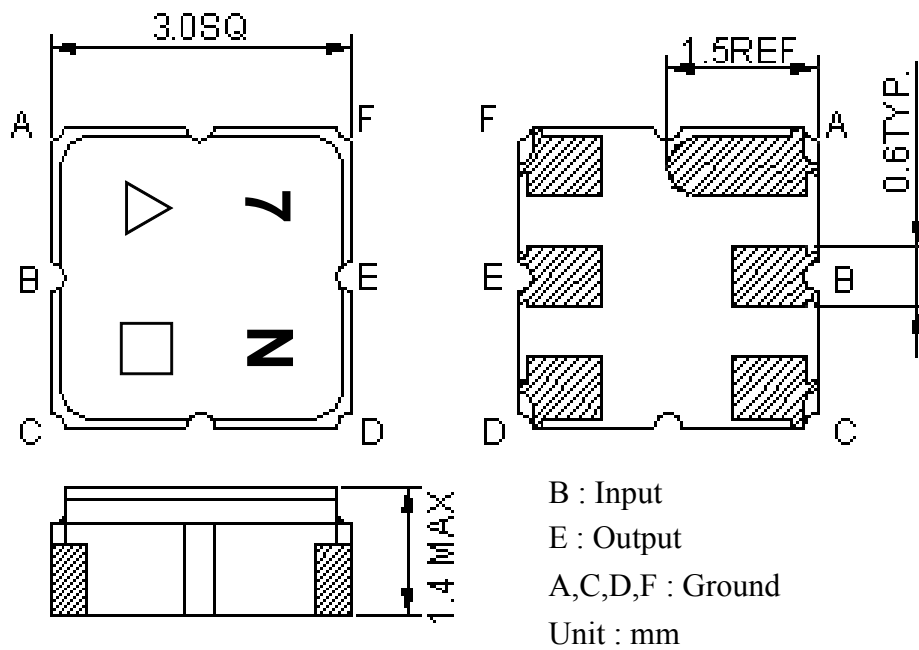
| Item                                              | Unit | Min. | Type. | Max. | Note |
|---------------------------------------------------|------|------|-------|------|------|
| Center Frequency Fc                               | MHz  | -    | 895.5 | -    | -    |
| Max Insertion Loss ae                             | dB   | -    | 1.4   | 2.7  | -    |
| Max Insertion Loss at ambient temp.               | dB   | -    | 1     | 2.2  | -    |
| Amplitude Ripple (876 ~ 915 MHz)                  | dB   | -    | 1.8   | 2.4  | -    |
| Amplitude Ripple at ambient temp. (876 ~ 915 MHz) | dB   | -    | 1.5   | 2.2  | -    |
| VSWR (876 ~ 915 MHz)                              |      | -    | 2.3   | 3    | -    |
| Relative Attenuation (relative to 0 dB)           |      |      |       |      |      |
| D.C. ~ 856 MHz                                    | dB   | 17   | 19    | -    | -    |
| 925 ~ 935 MHz                                     | dB   | 4    | 9     | -    | -    |
| 925 ~ 935 MHz at ambient temp.                    | dB   | 6    | 15    | -    | -    |
| 935 ~ 2000 MHz                                    | dB   | 20   | 22    | -    | -    |
| 2000 ~ 3000 MHz                                   | dB   | 13   | 17    | -    | -    |

### C. MEASUREMENT CIRCUIT:

HP Network analyzer



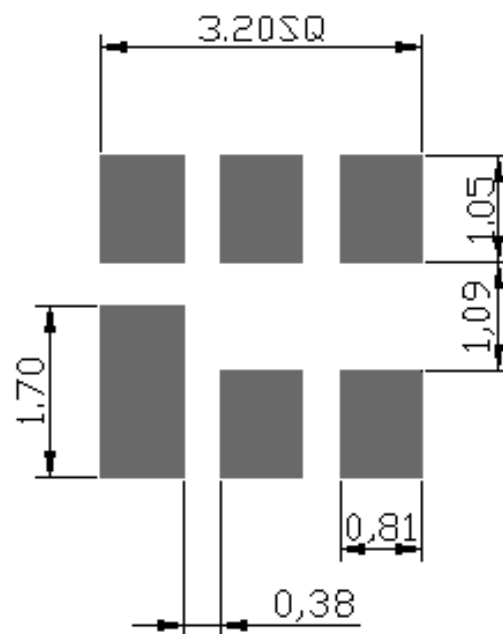
#### D.OUTLINE DRAWING:



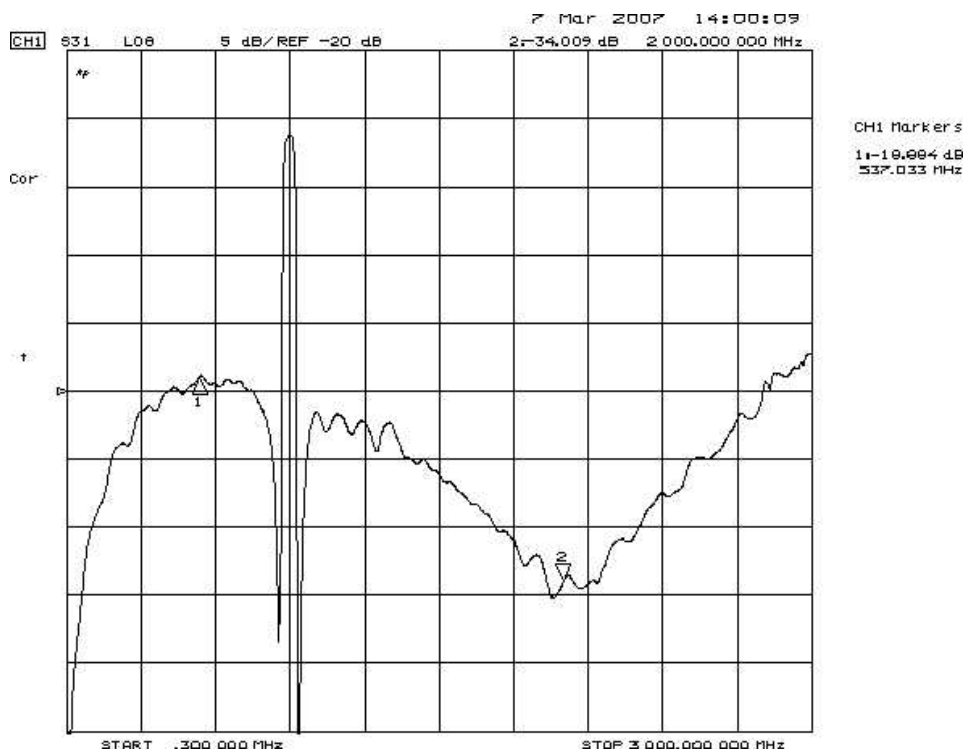
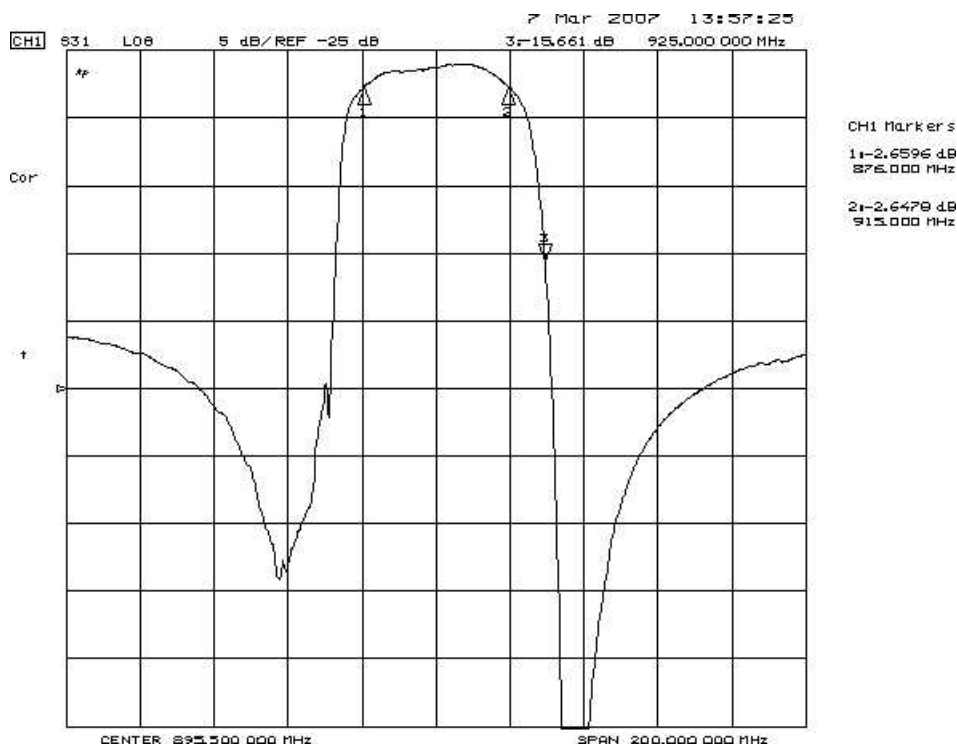
△ : Year Code (2006->6, ..., 2009->9)

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

#### E. PCB Footprint:

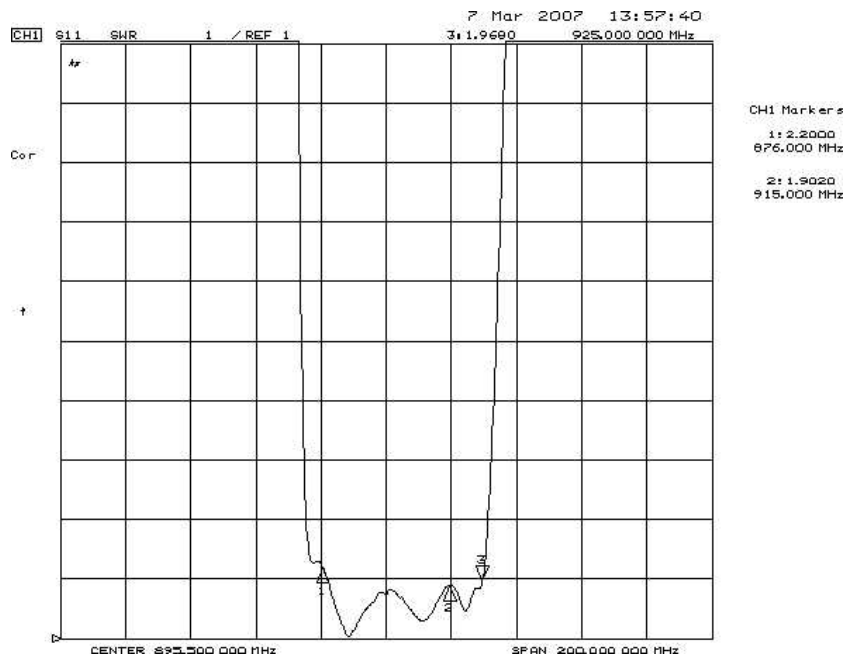


F. Frequency Characteristics :

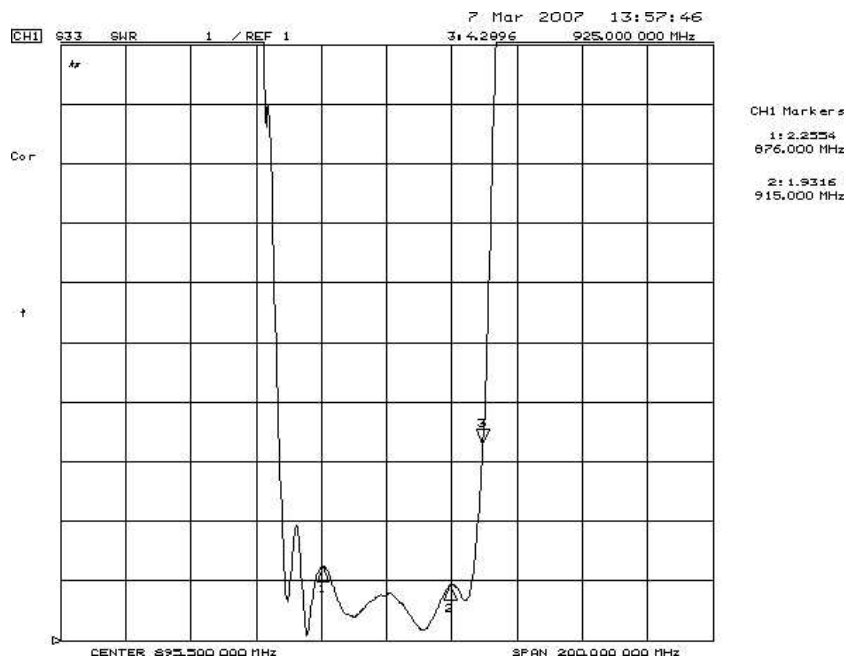


Reflections Functions :

S11 VSWR



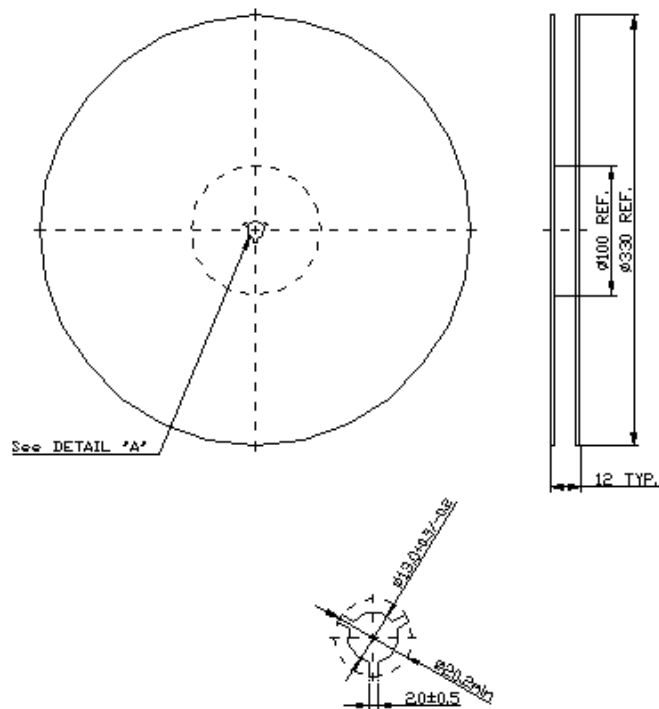
S22 VSWR



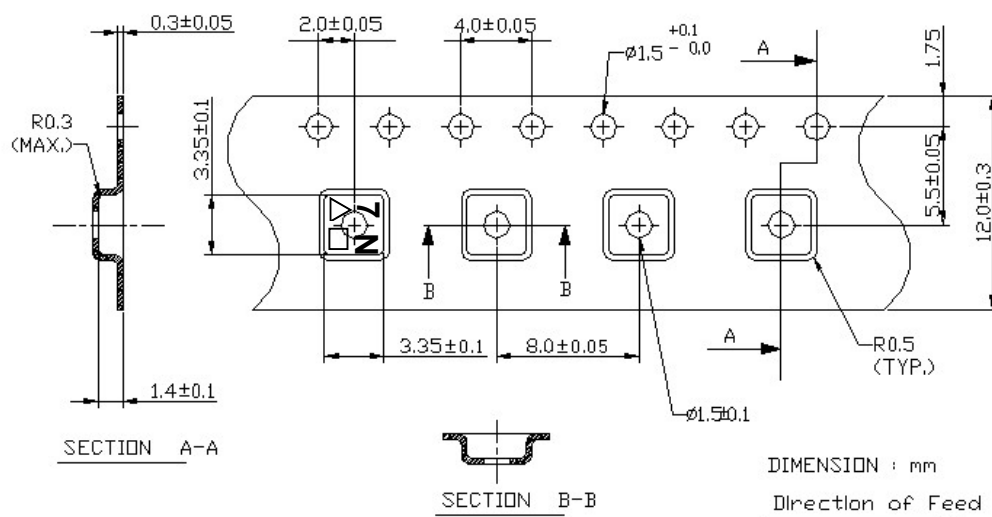
## G. PACKING:

### 1. REEL DIMENSION

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



### 2. TAPE DIMENSION



**H. RECOMMENDED REFLOW PROFILE :**

