



# 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)

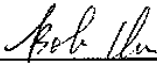
## Product Specifications Approval Sheet

Product Description: SAW Filter 2641.5 MHz SMD 3.0X3.0 mm (BW=97MHz)

TST Part No.: TA1136A

Customer Part No.: \_\_\_\_\_

|                             |
|-----------------------------|
| Customer signature required |
| Company: _____              |
| Division: _____             |
| Approved by : _____         |
| Date: _____                 |

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

Approved by: \_\_\_\_\_ Francis Chen 

Date: \_\_\_\_\_ 12, 16, 2009

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.



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## SAW Filter 2641.5 MHz

MODEL NO.:TA1136A

REV. NO.:1

### A. MAXIMUM RATING:

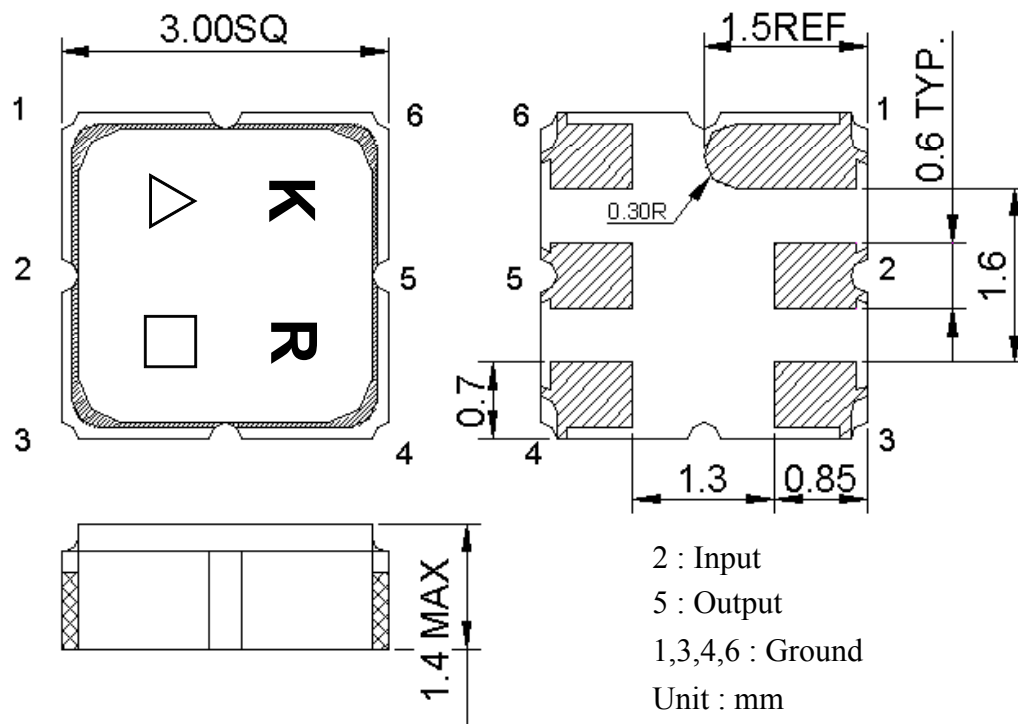
1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -30°C to +85°C

RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

| Item                                    | Unit   | Min. | Typ.   | Max. | Note |
|-----------------------------------------|--------|------|--------|------|------|
| Center Frequency Fc                     | MHz    | -    | 2641.5 | -    | -    |
| Insertion Loss (2593~2690 MHz) IL       | dB     | -    | 2.3    | 4    | -    |
| Amplitude Ripple (2593~2690 MHz)        | dB     | -    | 1.3    | 2.5  | -    |
| VSWR (2593~2690 MHz)                    |        | -    | 2      | 2.5  | -    |
| Attenuation (Reference level from 0 dB) |        |      |        |      |      |
| DC ~ 2520 MHz                           | dB     | 25   | 28     | -    | -    |
| 2760 ~ 4000 MHz                         | dB     | 30   | 36     | -    | -    |
| 4000 ~ 5000 MHz                         | dB     | 15   | 26     | -    | -    |
| Temperature Coefficient of Frequency    | ppm/°C | -    | -36    | -    | -    |

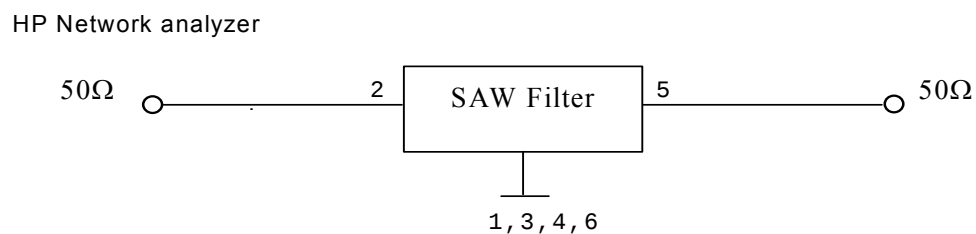
### C.OUTLINE DRAWING:



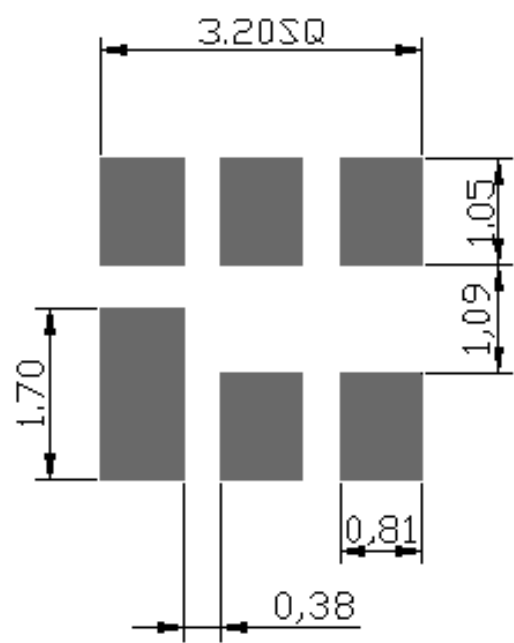
△ : Year Code (2006->6, ..., 2009->9)

□ : Date Code (W01->A,W02->B,...W27->a,...,W52->z)

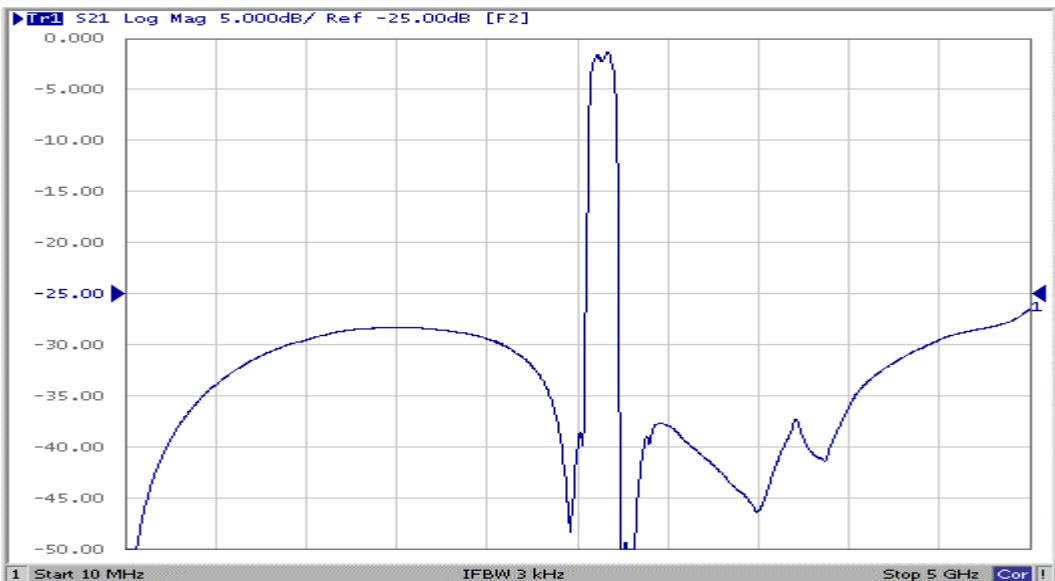
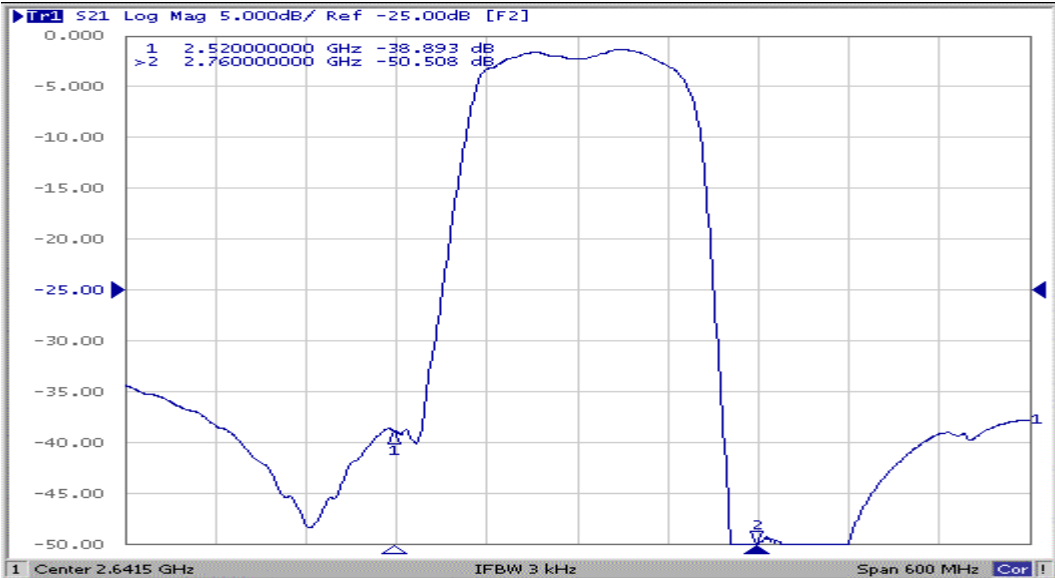
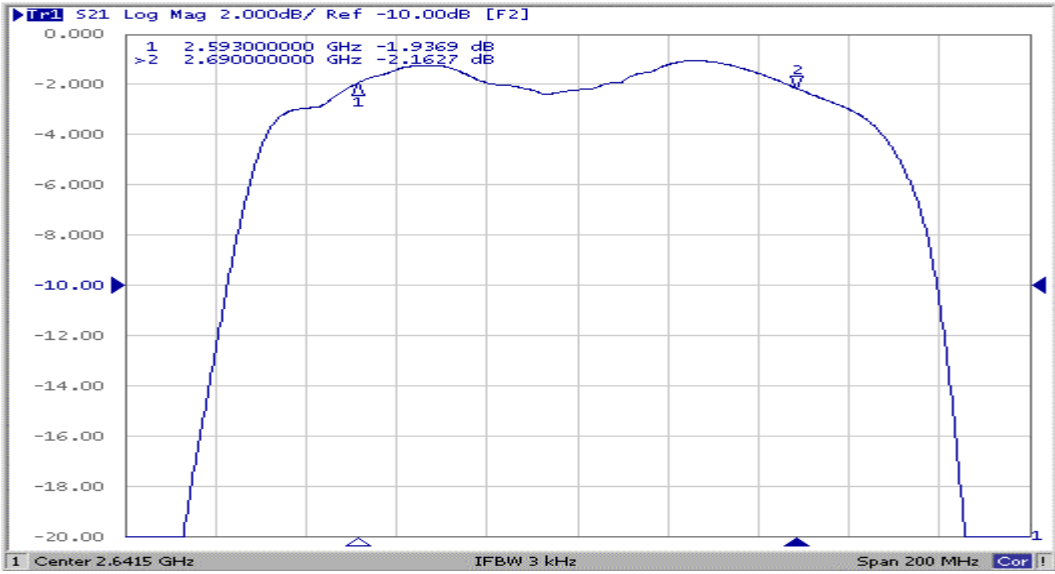
### D. MEASUREMENT CIRCUIT:



E. PCB Footprint:

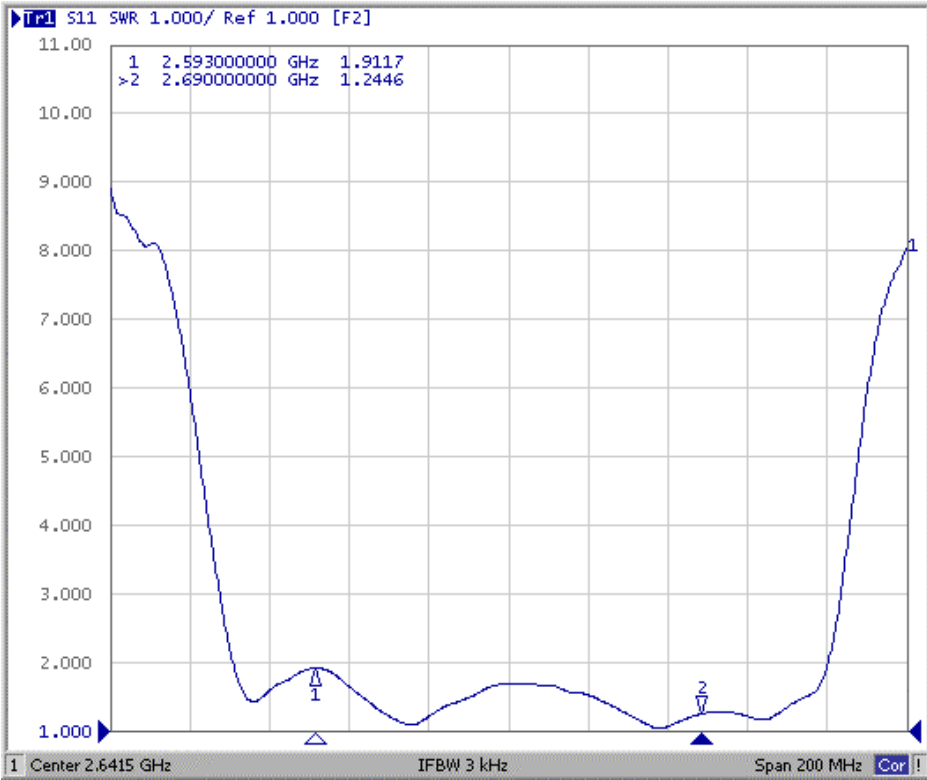


F. Frequency Characteristics :

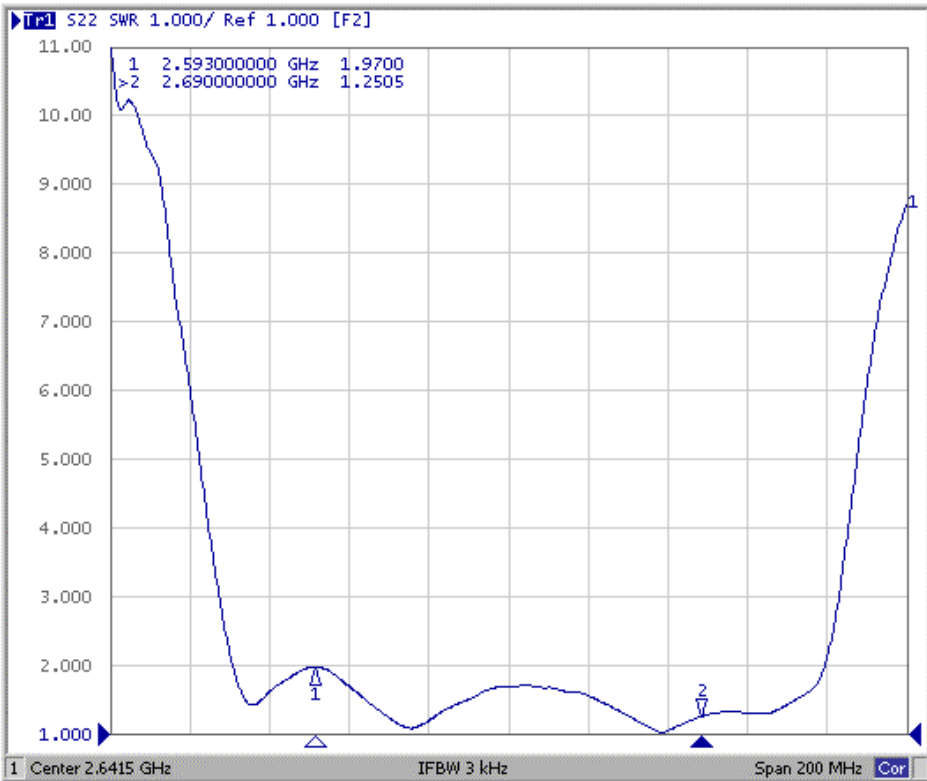


Reflection Functions :

S11



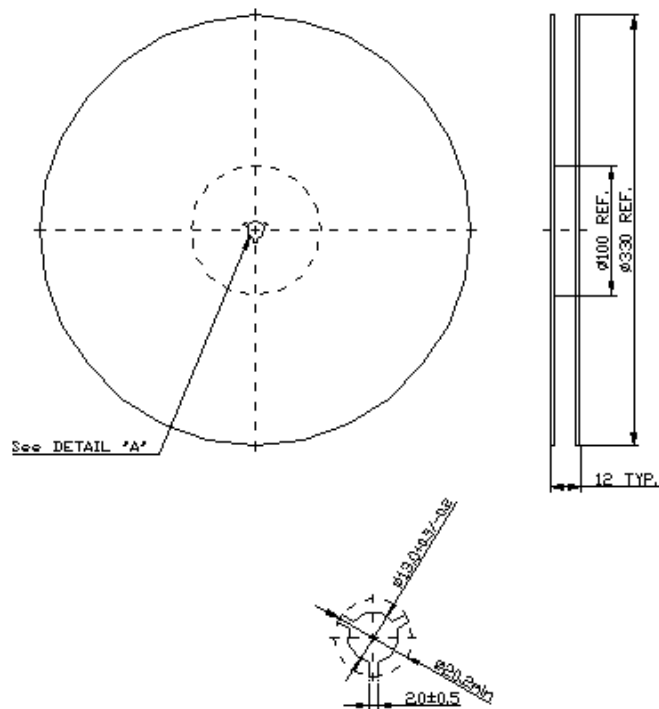
S22



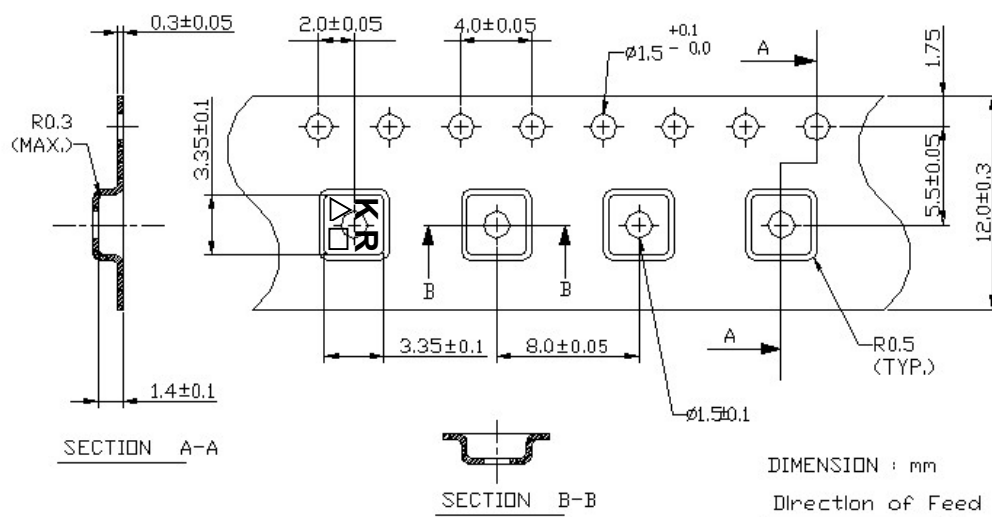
## G. PACKING:

### 1. REEL DIMENSION

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



### 2.TAPE DIMENSION



**H. RECOMMENDED REFLOW PROFILE :**

