



# 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

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## Product Specifications Approval Sheet

Product Description: SAW Filter 1590 MHz SMD 3.0X3.0 mm

TST Part No.: TA0638A

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

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

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

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

Date: \_\_\_\_\_ 7, 21, 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 1590MHz

MODEL NO.:TA0638A

REV. NO.:2

### A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -55°C to +85°C
4. Storage Temperature: -55°C to +95°C

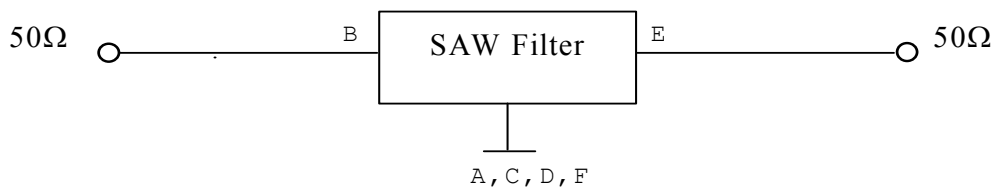
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

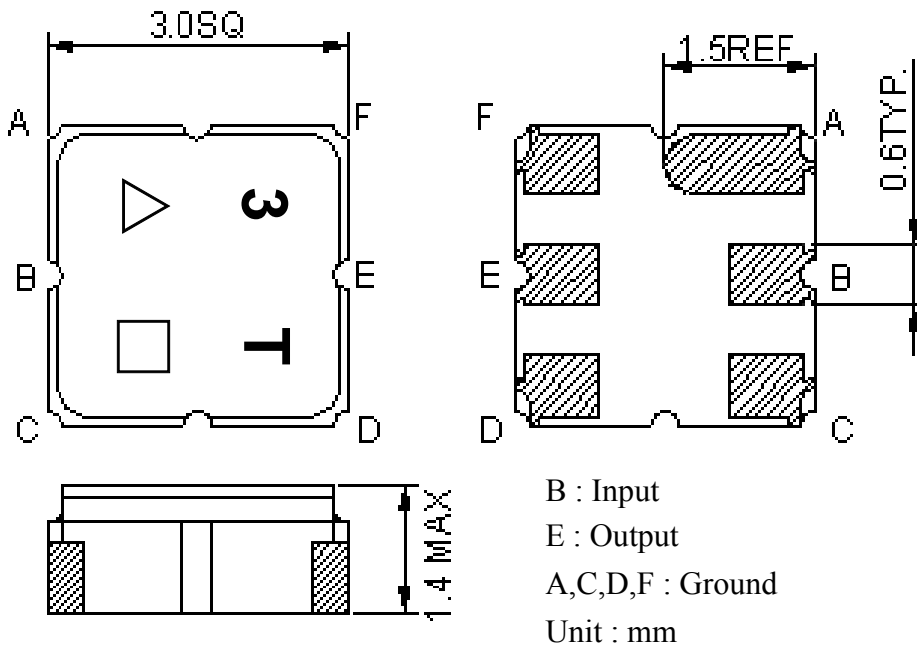
| Item                | Unit | Min. | Type. | Max. | Note |
|---------------------|------|------|-------|------|------|
| Center Frequency    | Fc   | MHz  | -     | 1590 | -    |
| Min. Insertion Loss | IL   | dB   | -     | 2.3  | 4    |
| Amplitude ripple    |      | dB   | -     | 1    | 1.8  |
| Bandwidth @ -1.2dB  |      | MHz  | 55    | 59   | 65   |
| Bandwidth @ -20dB   |      | MHz  | -     | 97   | 125  |
| Ultimate rejection  |      | dB   | -     | 50   | -    |

### C. MEASUREMENT CIRCUIT:

HP Network analyzer



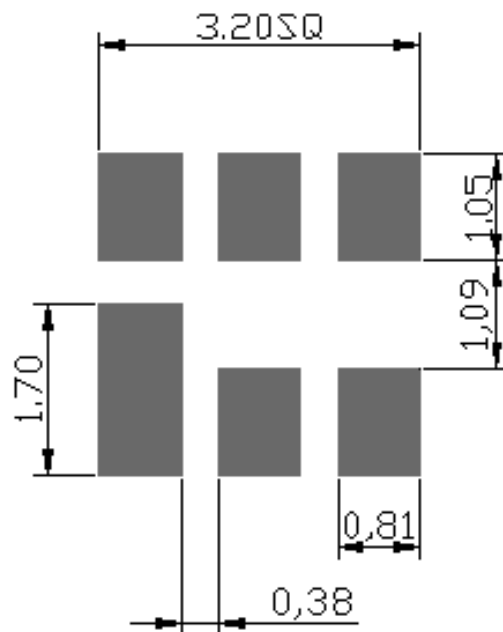
**D.OUTLINE DRAWING:**



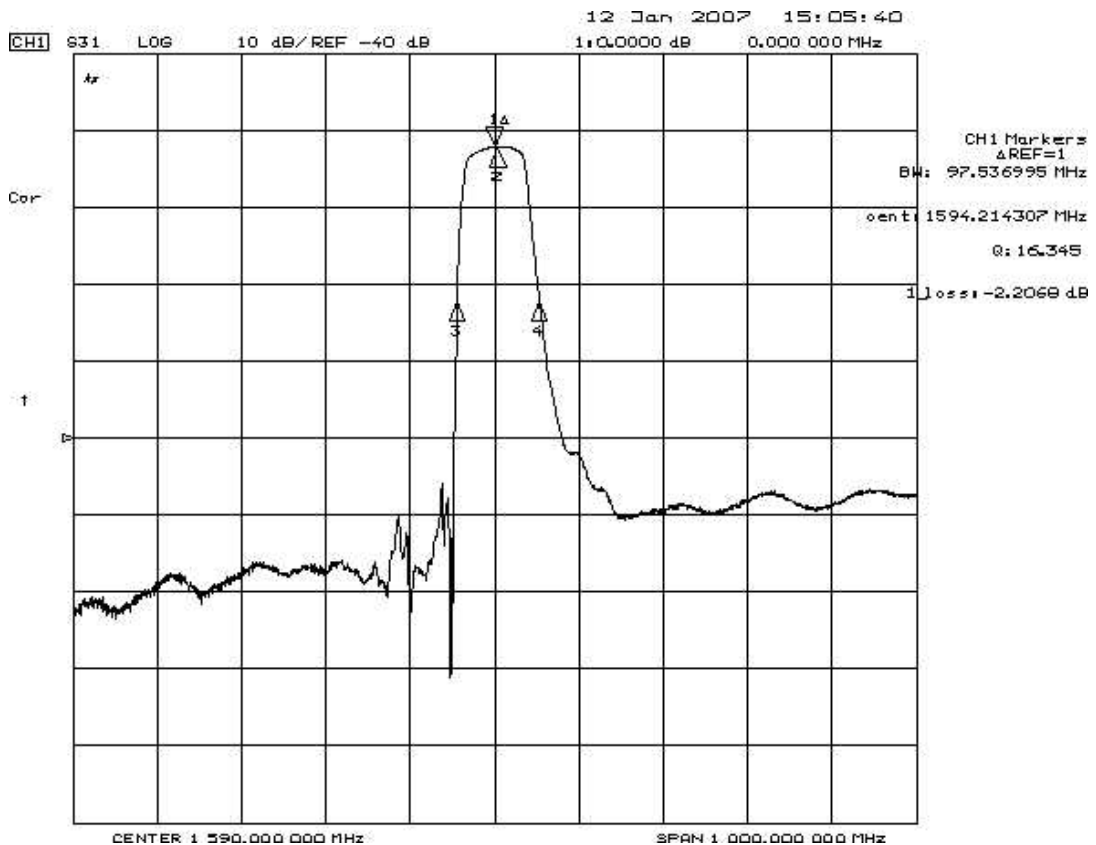
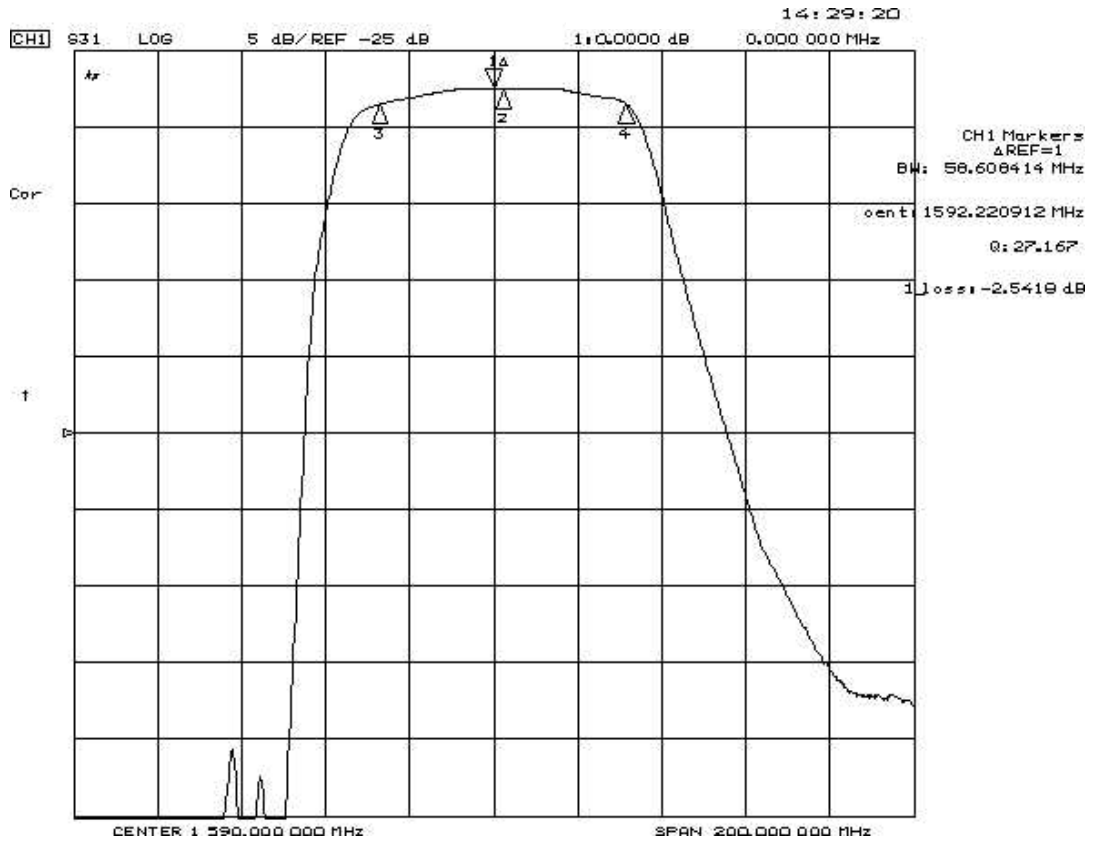
△ : Year Code (2006->6, ..., 2009->9)

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

**E. PCB Footprint:**

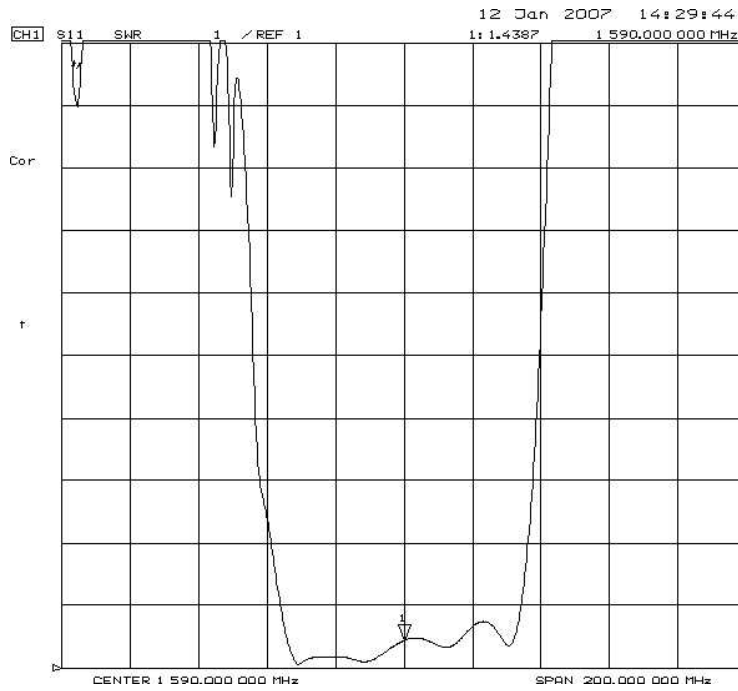


## F. Frequency Characteristics :

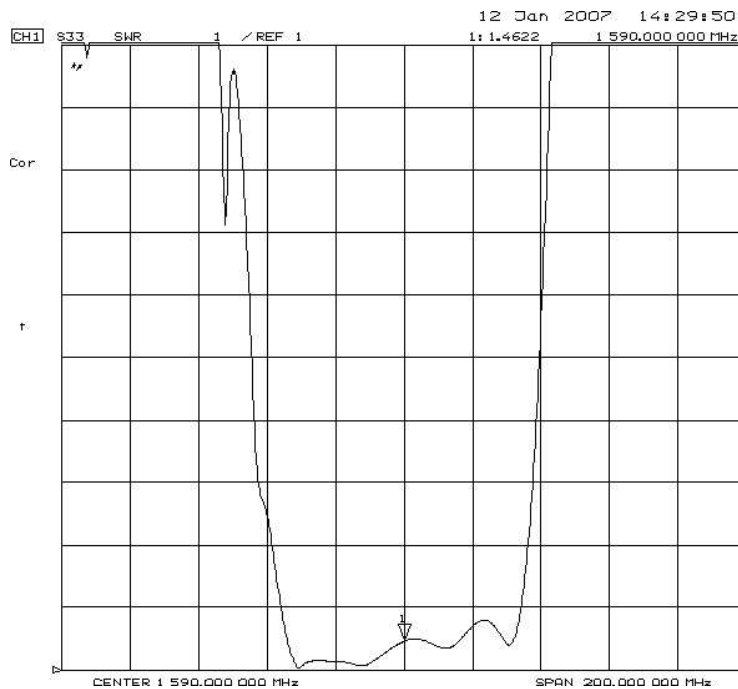


Reflection Functions :

S11



S22



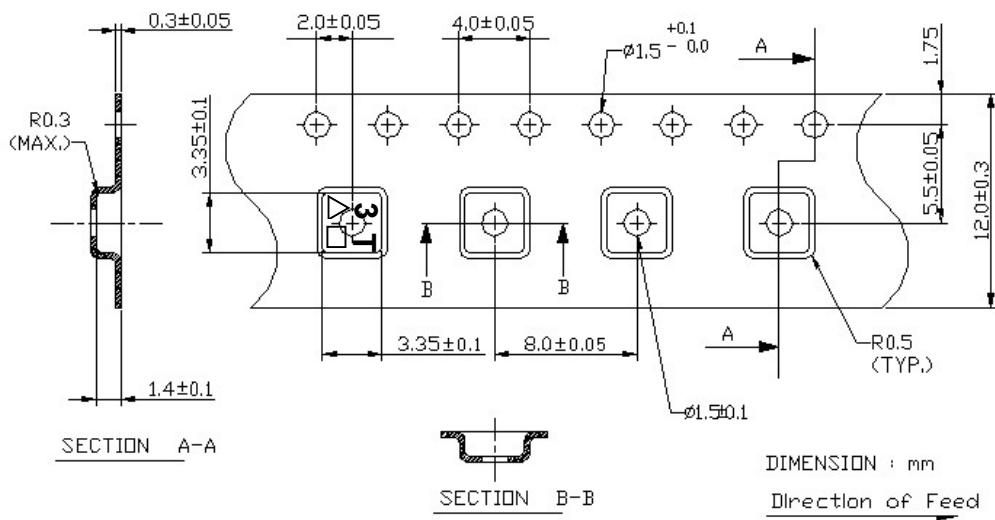
**G. PACKING:**

**1. REEL DIMENSION**

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



**2. TAPE DIMENSION**



## H. RECOMMENDED REFLOW PROFILE :

