



# 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 360 MHz SMD 3.8X3.8 mm

TST Part No.: TB360ECB

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

Customer signature required

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

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

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

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

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

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

Date: \_\_\_\_\_ 10, 11, 2010

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 360MHz

MODEL NO.: TB360ECB

REV. NO.:1

### A. MAXIMUM RATING:

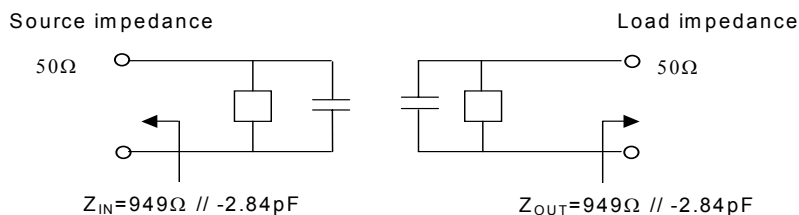
1. Input Power Level: 5 dBm
2. Operating Temperature: -20°C to 75°C
3. Storage Temperature: -35°C to 85°C

RoHS Compliant  
Lead free  
Lead-free soldering

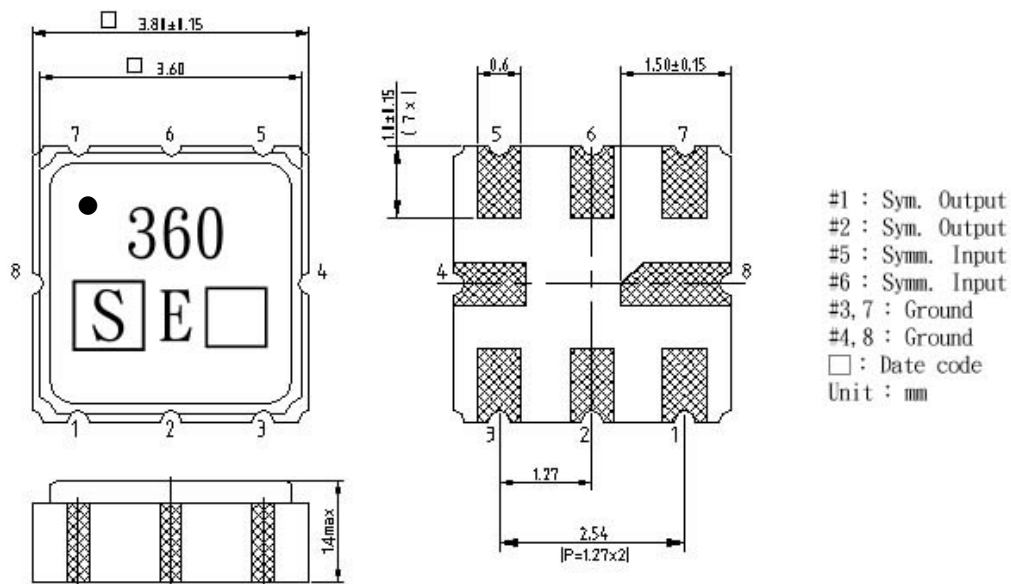
### B. ELECTRICAL CHARACTERISTICS:

| Item                                              | Unit | Min. | Typ. | Max. | Note |
|---------------------------------------------------|------|------|------|------|------|
| Center frequency, <b>Fc</b>                       | MHz  | -    | 360  | -    | 1    |
| Insertion Loss, <b>IL</b>                         | dB   | -    | 4.2  | 5.0  | 1    |
| Passband Ripple<br>within 359.91 to 360.09MHz     | dB   | -    | 0.6  | 1.5  | 1    |
| Group delay ripple in <b>Fc</b> ±90KHz, <b>GD</b> | μs   | -    | 0.8  | 2.0  | 1    |
| Attenuation:(Reference level from Min IL)         |      |      |      |      |      |
| <b>Fc</b> ± 0.4 to <b>Fc</b> ± 0.6 MHz            | dB   | 29   | 40   | -    | -    |
| <b>Fc</b> ± 0.6 to <b>Fc</b> ± 0.8 MHz            | dB   | 42   | 70   | -    | -    |
| <b>Fc</b> - 0.8 to <b>Fc</b> - 3.0 MHz            | dB   | 50   | 61   | -    | -    |
| <b>Fc</b> - 3.0 to <b>Fc</b> - 57 MHz             | dB   | 52   | 62   | -    | -    |
| <b>Fc</b> - 57 to <b>Fc</b> - 77 MHz              | dB   | 49   | 69   | -    | -    |
| <b>Fc</b> - 77 to <b>Fc</b> - 115 MHz             | dB   | 52   | 69   | -    | -    |
| <b>Fc</b> + 0.8 to <b>Fc</b> + 1.6 MHz            | dB   | 50   | 61   | -    | -    |
| <b>Fc</b> + 1.6 to <b>Fc</b> + 3.0 MHz            | dB   | 45   | 65   | -    | -    |
| <b>Fc</b> + 3.0 to <b>Fc</b> + 115 MHz            | dB   | 52   | 58   | -    | -    |

Note1. The standard definitions is in JIS C 6703



### C.OUTLINE DRAWING:

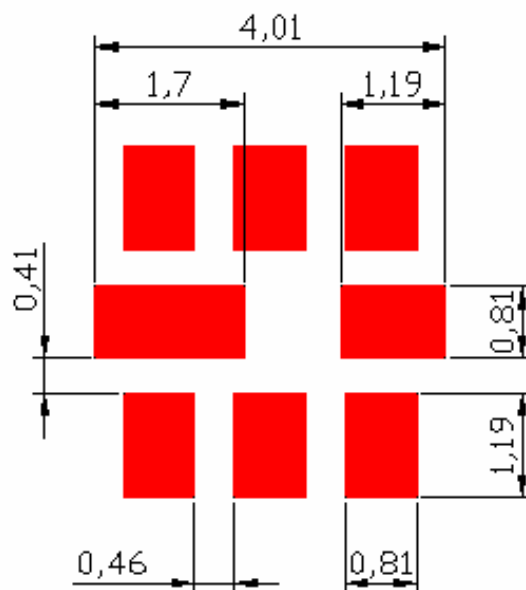


□ : Date Code (W01->A,W02->B,...W27->a,...,W52->z)  
E : Year Code

Year Code :

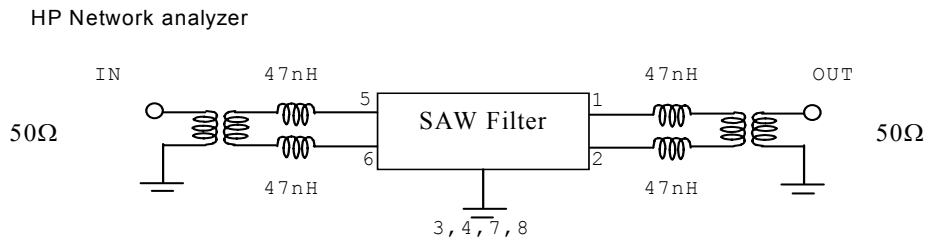
|              |      |      |
|--------------|------|------|
| Year         | 2009 | 2010 |
|              | 2011 | 2012 |
|              | 2013 | 2014 |
|              | 2015 | 2016 |
|              |      |      |
| Product Code | E    | e    |

### D. PCB Footprint:

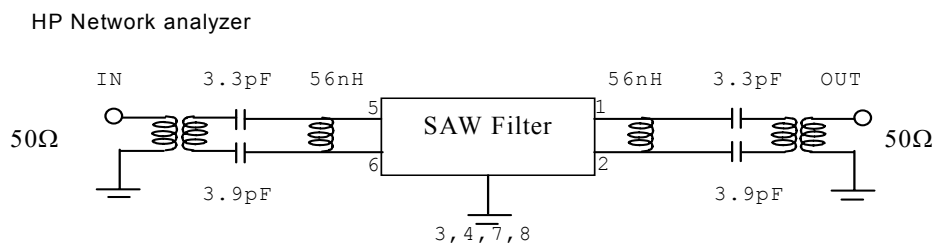


## E. MEASUREMENT CIRCUIT:

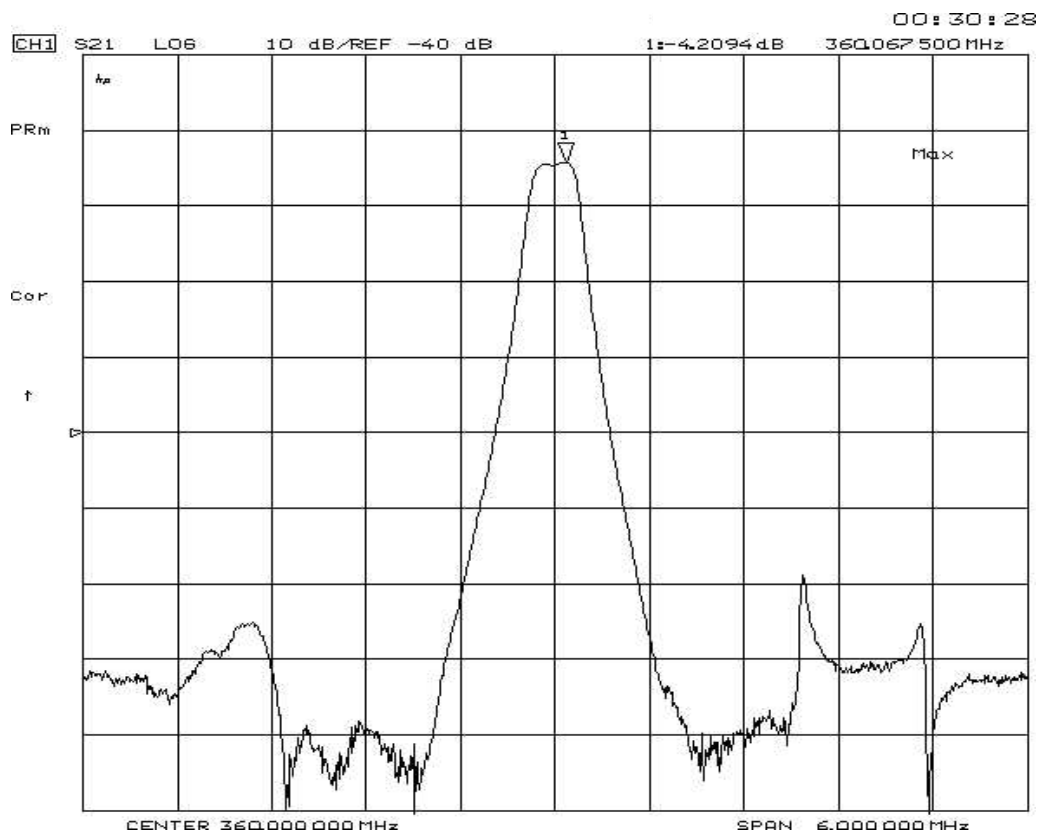
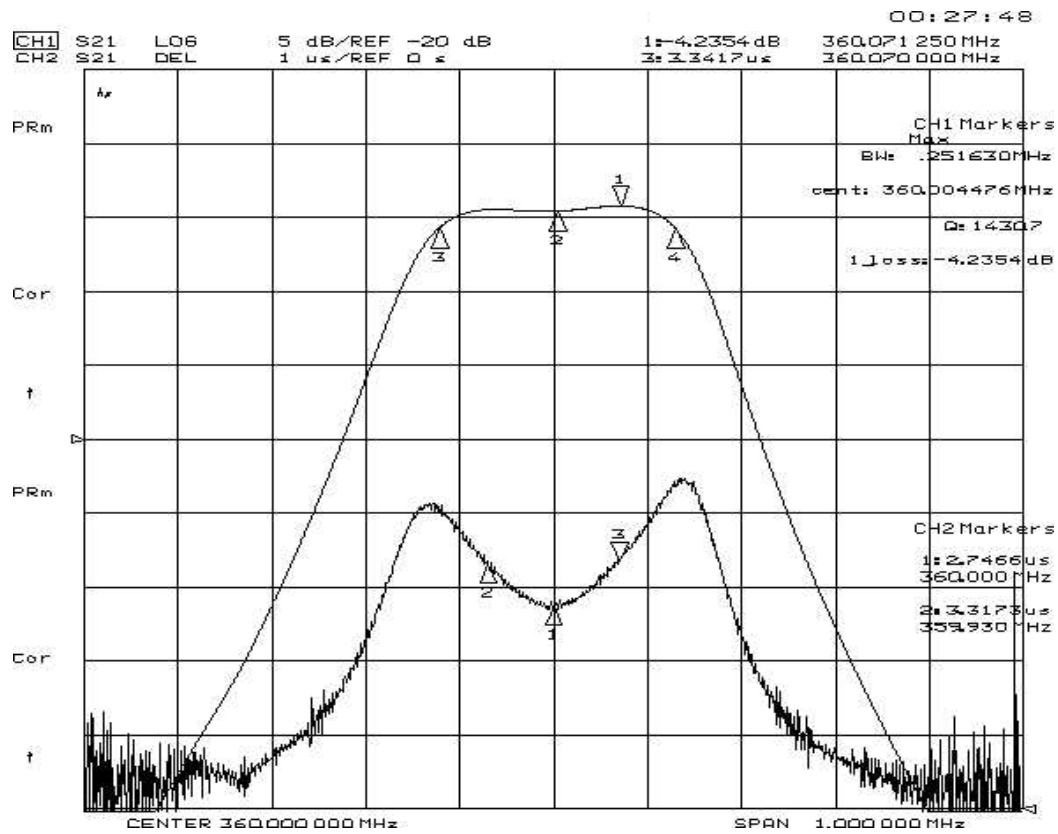
### 50 Ohm Test circuit 1

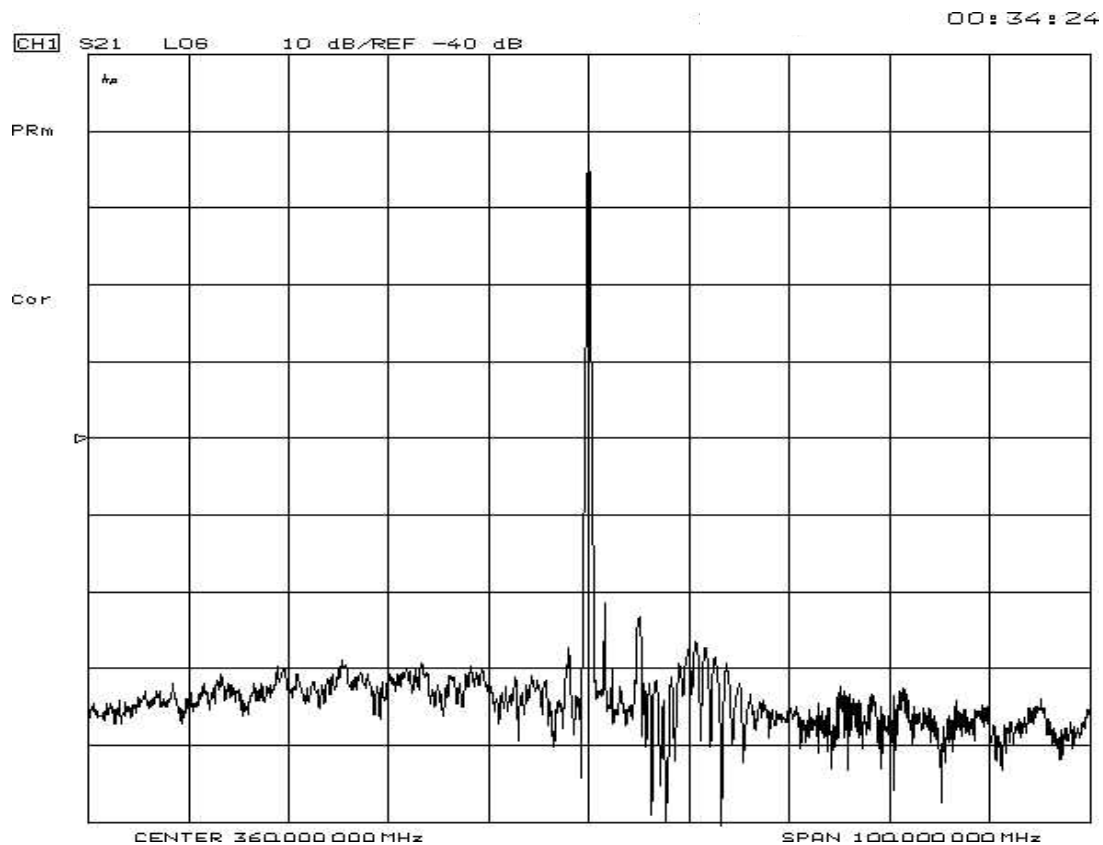
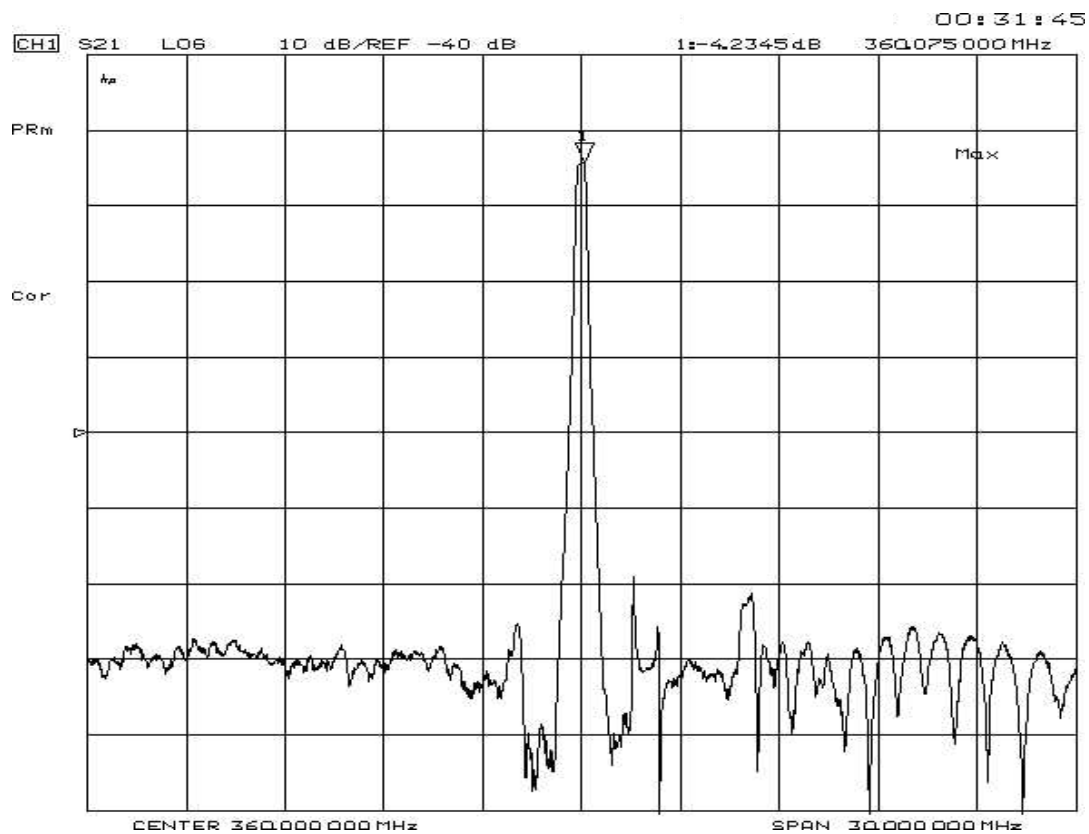


### 50 Ohm Test circuit 2



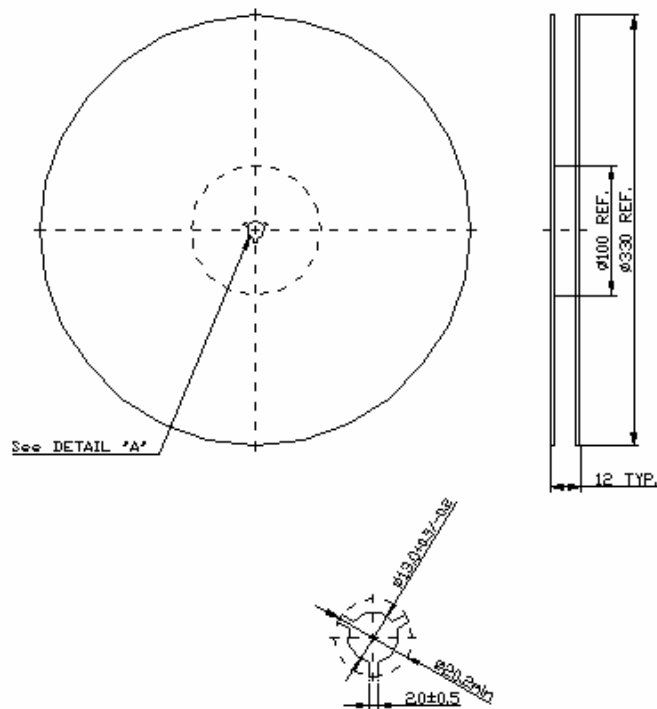
## F. Frequency Characteristics :



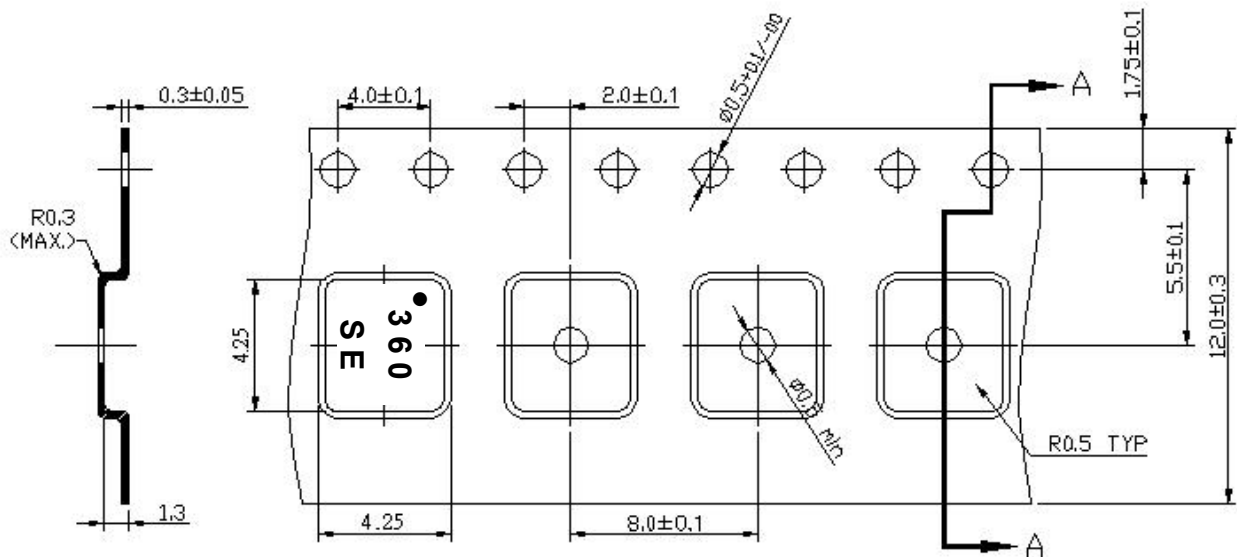


## G. PACKING:

### 1. REEL DIMENSION



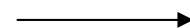
### 2.TAPE DIMENSION



Section A-A

DIMENSION : mm

Direction of feed



H. REFLOE PROFILE:

