



# 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:

Product Name: IF SAW Filter 360MHz

TST Parts No.:TB0130A

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

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

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

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

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

Checked by:\_\_\_\_\_ Asin Lin

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

Date:\_\_\_\_\_ 2005/06/17



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## IF SAW Filter 360MHz

MODEL NO.: TB0130A

Rev. No.:4

RoHS Compliant  
Lead free  
Lead-free soldering

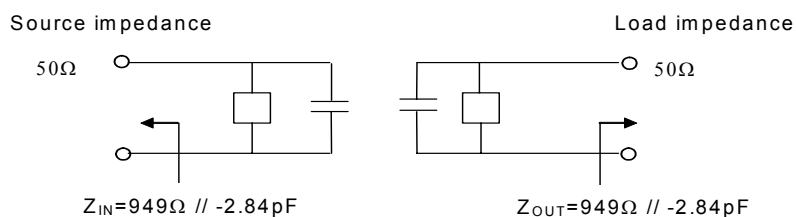
### A. MAXIMUM RATING:

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

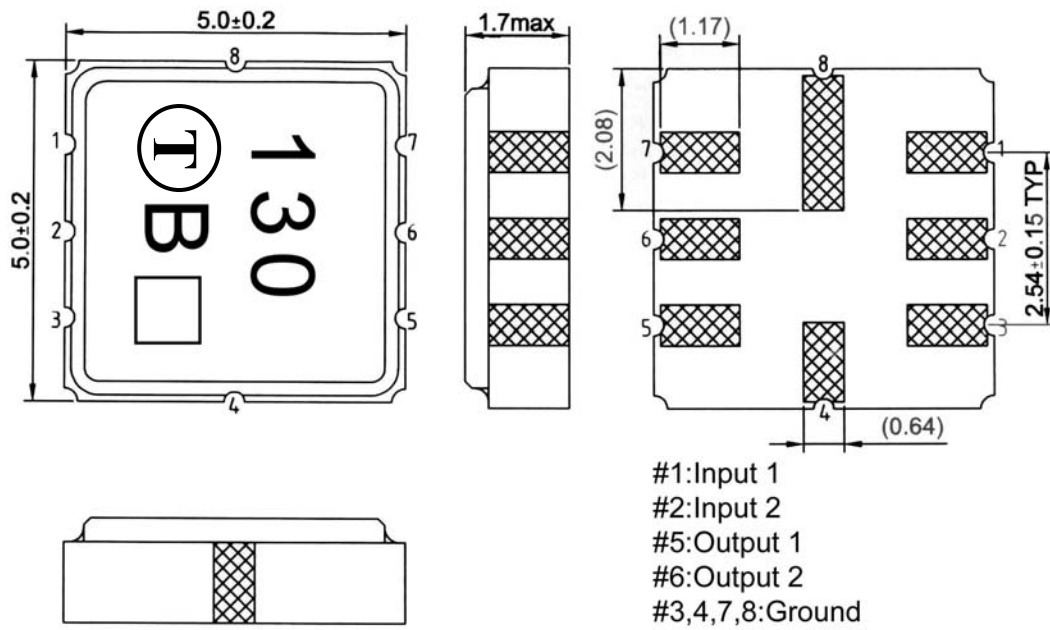
### B. ELECTRICAL CHARACTERISTICS:

| Item                                                 | Unit | Min. | Type. | Max. | Note |
|------------------------------------------------------|------|------|-------|------|------|
| Center frequency, <b>Fc</b>                          | MHz  | -    | 360   | -    | 1    |
| Insertion Loss, <b>IL</b>                            | dB   | -    | 4.2   | 5.0  | 1    |
| Passband Ripple in <b>Fc</b> ±67.7KHz,               | dB   | -    | 0.4   | 1.5  | 1    |
| Group delay ripple in <b>Fc</b> ±67.76KHz, <b>GD</b> | μs   | -    | 0.5   | 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



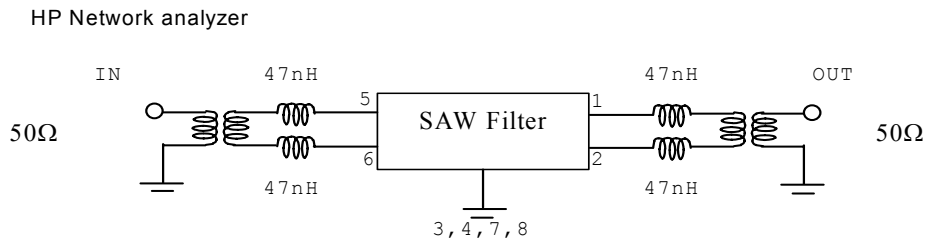
### C.OUTLINE DRAWING:



### D. MEASUREMENT CIRCUIT:

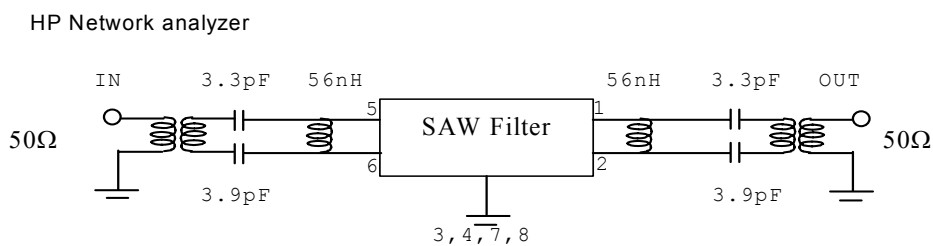
#### 50 Ohm Test circuit

1



#### 50 Ohm Test circuit

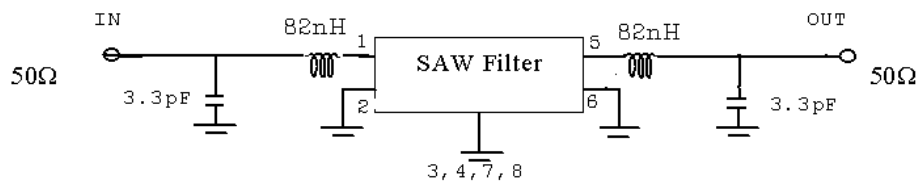
2



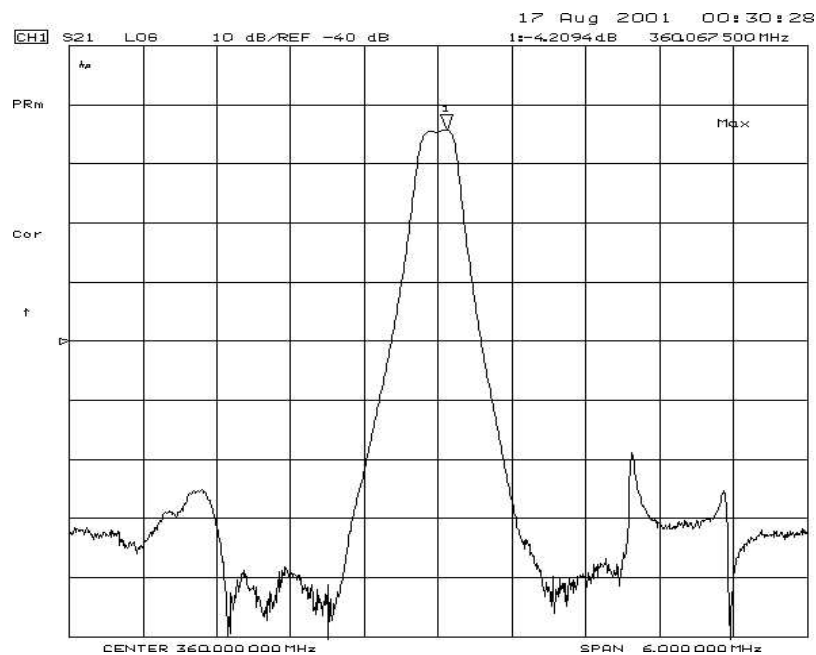
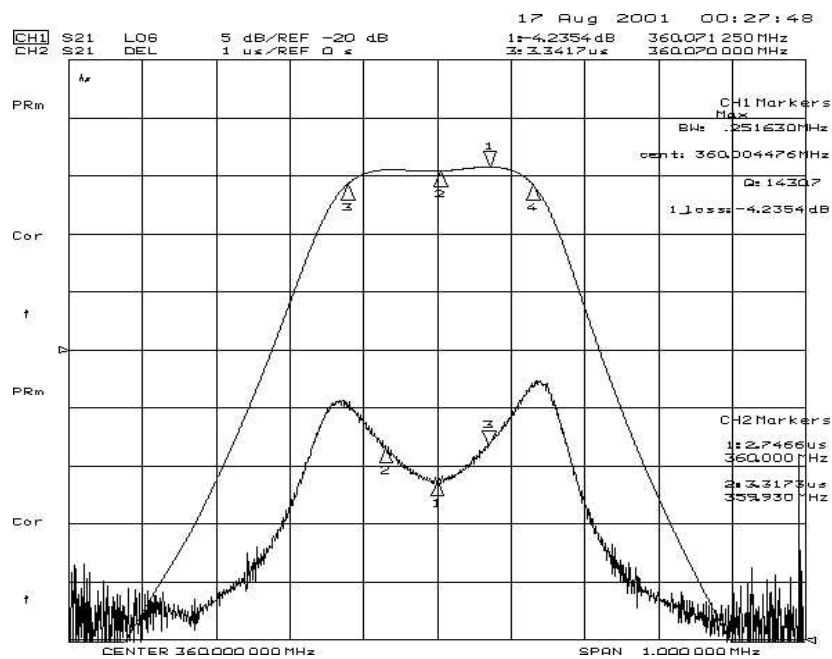
## 50 Ohm Test circuit

3

HP Network analyzer

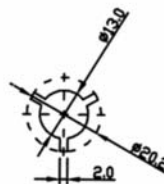
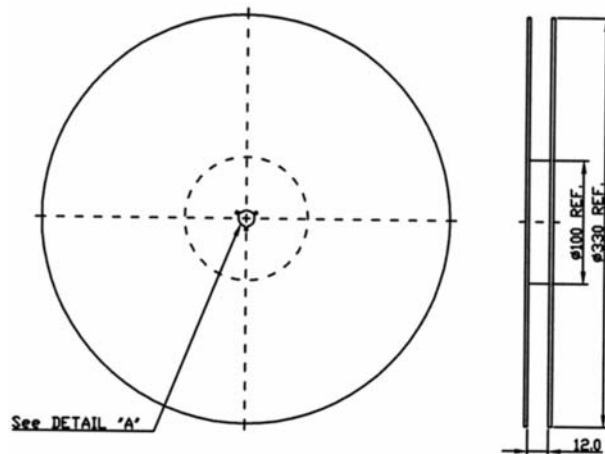


## E. Frequency Characteristics:

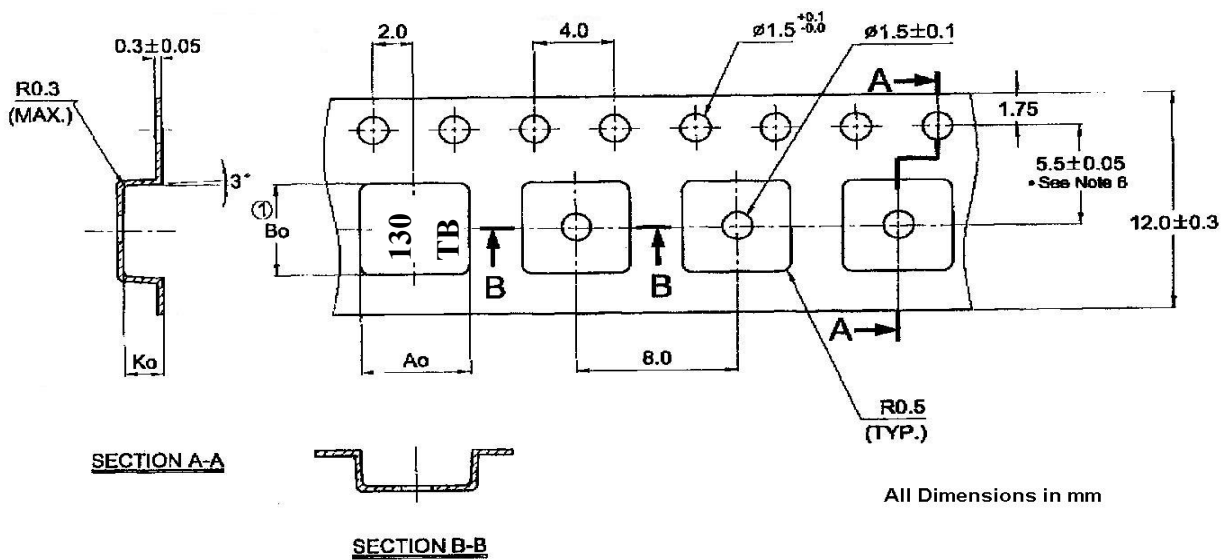


**F. PACKING:**

## 1. REEL DIMENSION



## 2.TAPE DIMENSION



$A_o = 5.30 \pm 1 \text{ mm}$

Bo=5.30+0.2/-0.0 mm

Ko=2.0+/-0.1mm