



# TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,  
Taoyuan, 324, Taiwan, R.O.C.

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## Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 446 MHz SMD 5X5 mm

TST Parts No.: TA0606A

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

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

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

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

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

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

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

Date: \_\_\_\_\_ 2006/10/11



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## SAW Filter 446 MHz

MODEL NO.: TA0606A

REV. NO.: 1

### A. MAXIMUM RATING:

1. Input Power Level: 10 dB<sub>m</sub>
2. DC voltage: 3 V
3. Operating Temperature: -10°C to +50°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant  
Lead free  
Lead-free soldering

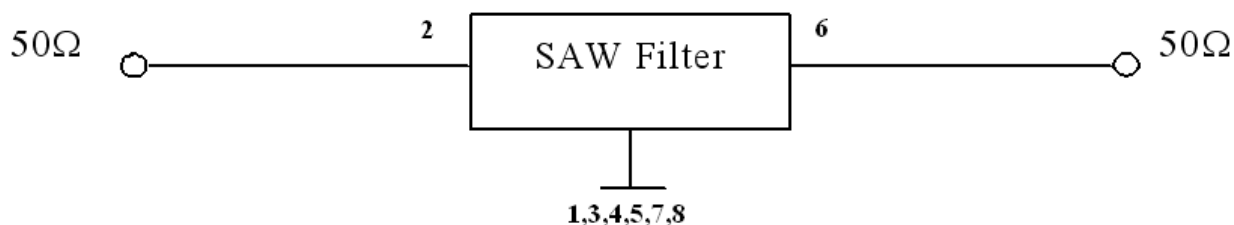
### B. ELECTRICAL CHARACTERISTICS:

| Item                                           |                           |     |      | Min. | Typ. | Max. |
|------------------------------------------------|---------------------------|-----|------|------|------|------|
| Center frequency                               | F <sub>c</sub>            | MHz |      | -    | 446  | -    |
| Insertion loss                                 | (F <sub>c</sub> +/- 4MHz) | IL  | (dB) | -    | 2.3  | 4.5  |
| Amplitude ripple                               | (F <sub>c</sub> +/- 4MHz) |     | (dB) | -    | 0.3  | 2.5  |
| Attenuation (Reference level from 0 dB)        |                           |     |      |      |      |      |
| F <sub>c</sub> -100 ~ F <sub>c</sub> -40.8 MHz |                           |     | (dB) | 43   | 50   | -    |
| F <sub>c</sub> +40 ~ F <sub>c</sub> +100 MHz   |                           |     | (dB) | 38   | 44   | -    |
| Source impedance                               | Z <sub>s</sub>            | (Ω) |      | -    | 50   | -    |
| Load impedance                                 | Z <sub>L</sub>            | (Ω) |      | -    | 50   | -    |

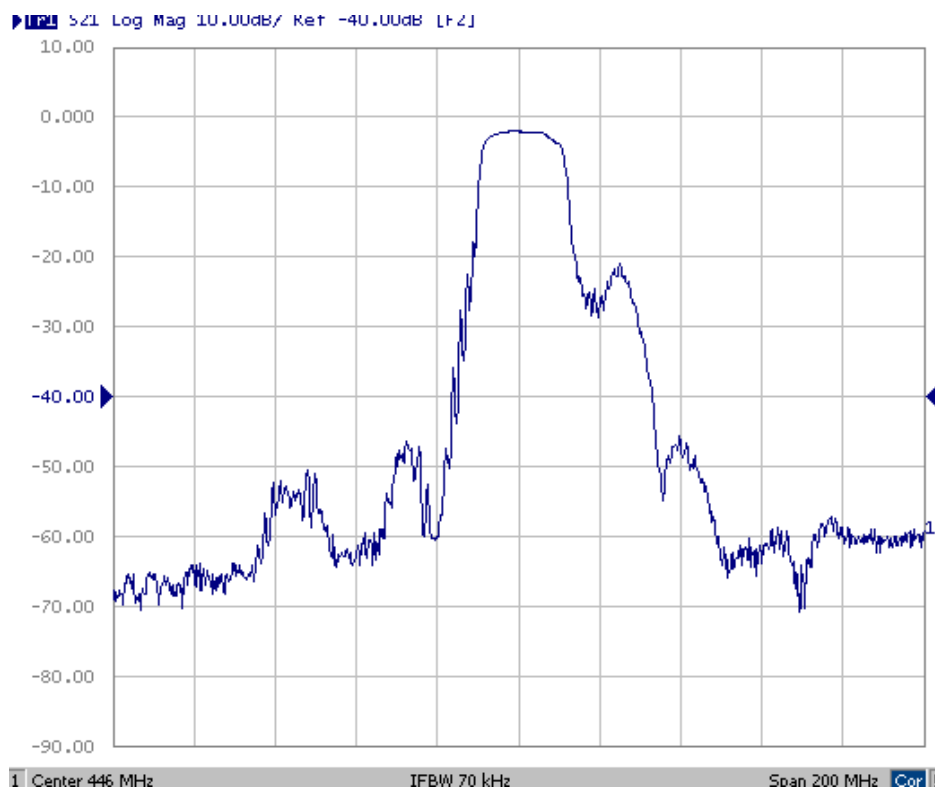
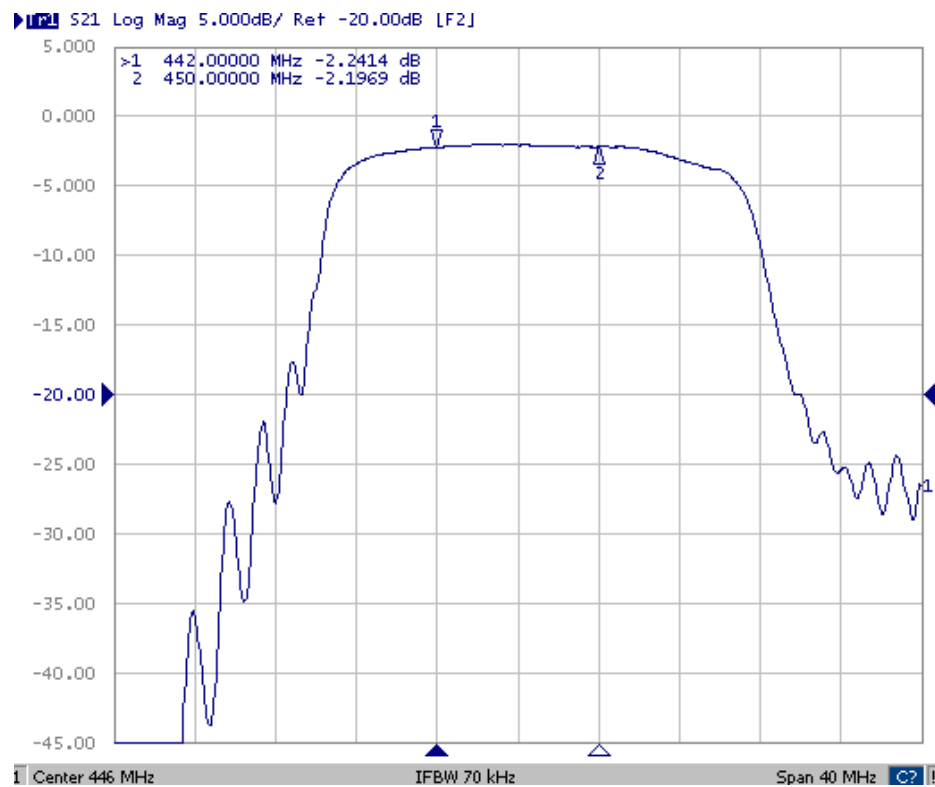
Note1. No matching network required for operation at 50 Ω

### C. MEASUREMENT CIRCUIT:

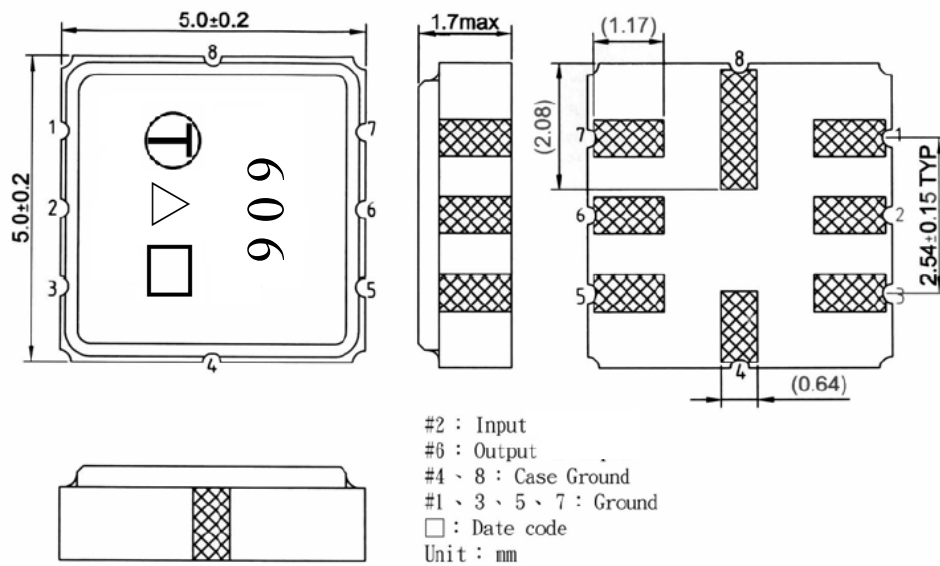
HP Network analyzer



## D. Frequency Characteristics :



### E.OUTLINE DRAWING:

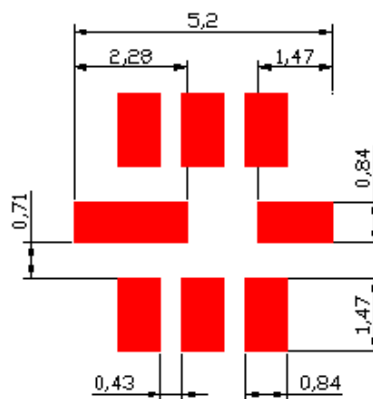


□ Date code: Provided by planer each year

△ Product Year Code

| Year         | 2005<br>2009 | 2006<br>2010 | 2007<br>2011 | 2008<br>2012 |
|--------------|--------------|--------------|--------------|--------------|
| Product Code | A            | a            | <u>A</u>     | <u>a</u>     |

### F.PCB FOOTPRINT:

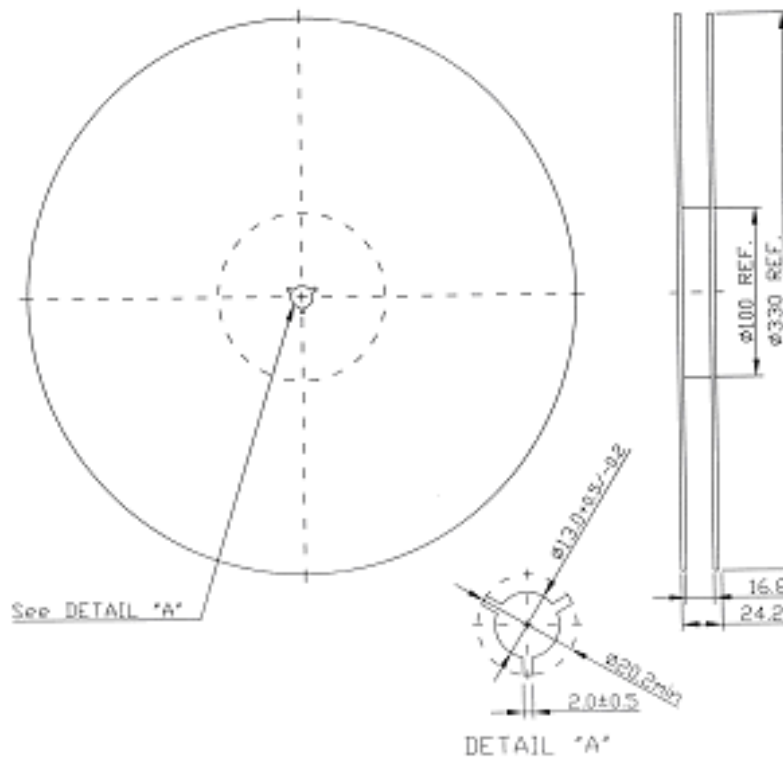


## G. PACKING:

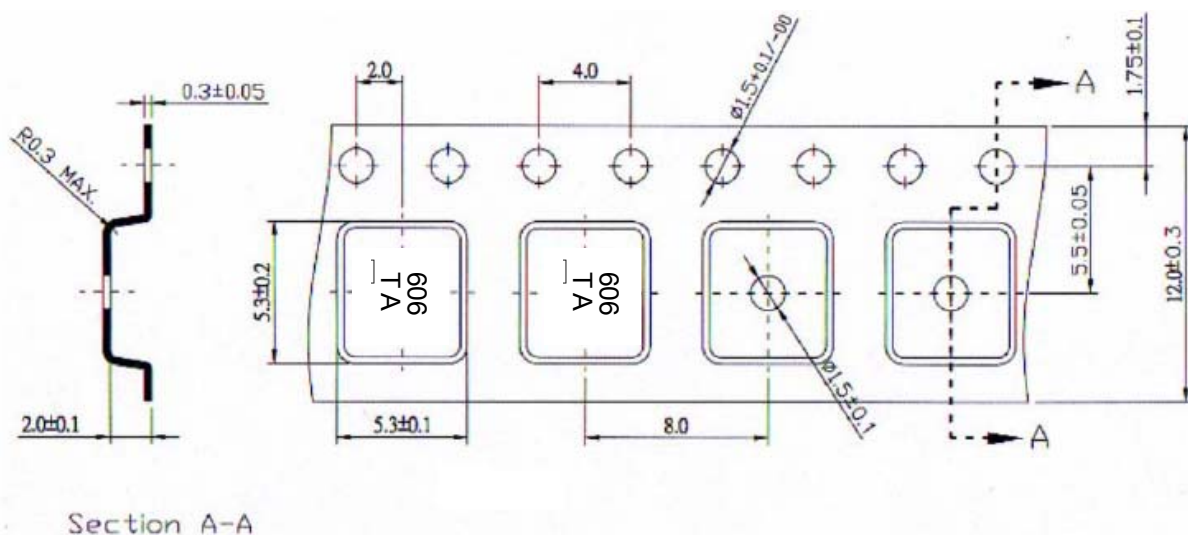
### 1. REEL DIMENSION

7"=1000

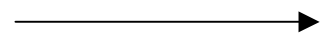
13"=3000



### 2. TAPE DIMENSION



Direction of Feed



**H.RECOMMENDED REFLOW PROFILE:**

