



# 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: 6/5/2006(Rev No:1.0)

Product Name: SAW Filter 1330MHz SMD 3.0×3.0mm

TST Parts No.:TA0566A

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

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

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

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

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

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

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

Date:\_\_\_\_\_ 2006/06/05



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## SAW Filter 1330 MHz

MODEL NO.: TA0566A

V1.0

### A. MAXIMUM RATING:

1. Input Power Level: 10 dB<sub>m</sub>
2. DC voltage: 5 V
3. Operating Temperature: -25°C to 85°C
4. Storage Temperature: -40°C to +85°C

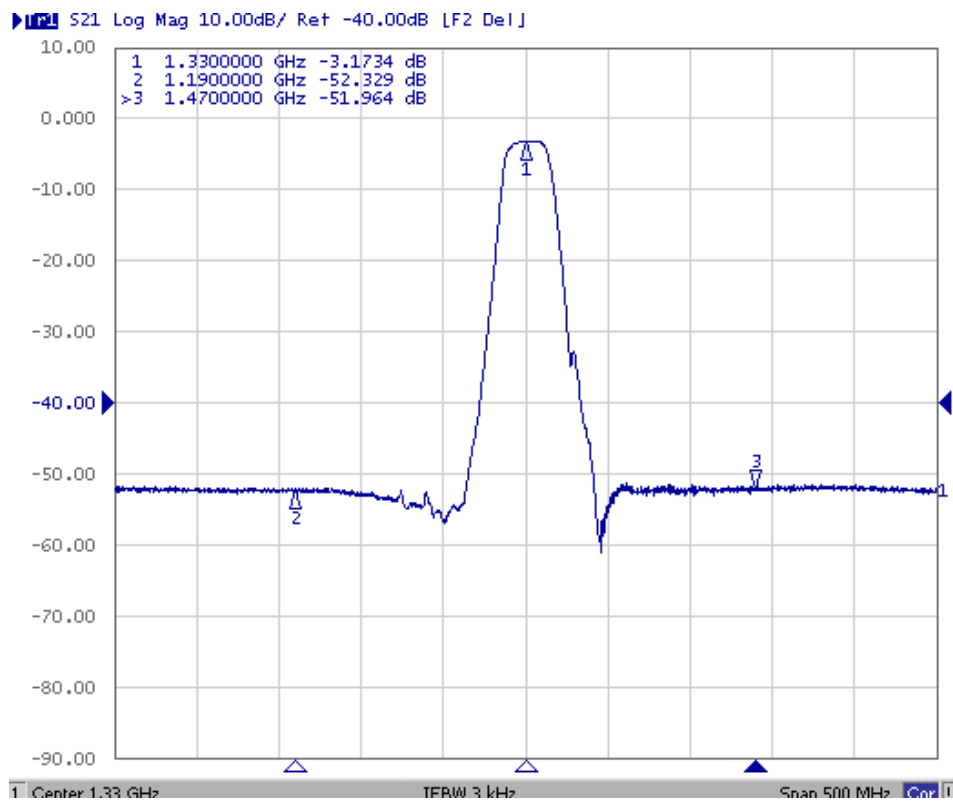
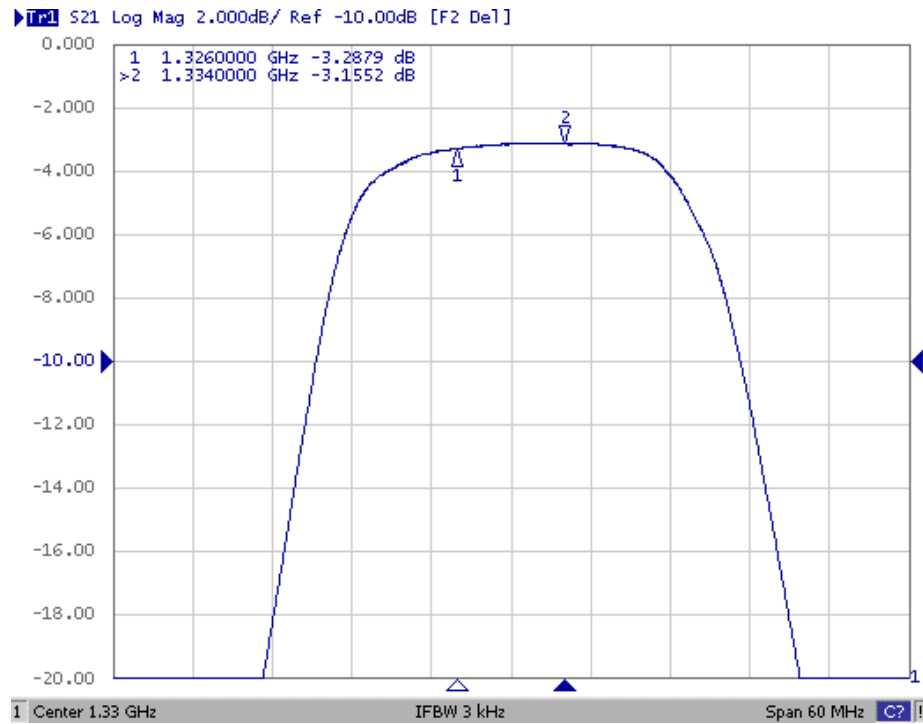
RoHS Compliant  
Lead free  
Lead-free soldering

### B. CHARACTERISTICS:

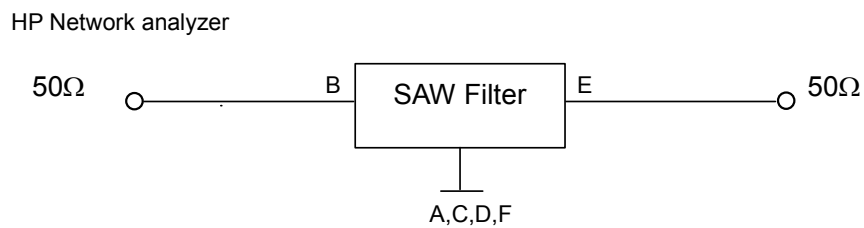
| Item                       |                       |      | Specification |      |      |
|----------------------------|-----------------------|------|---------------|------|------|
|                            |                       | Unit | Min.          | Typ. | Max. |
| Center Frequency           | F <sub>c</sub>        | MHz  | -             | 1330 | -    |
| Insertion Loss             | 1326~1334 MHz         | dB   | -             | 3.5  | 4.6  |
| Absolute Group delay       | 1330 MHz              | ns   |               | 35   | 60   |
| Group delay variation      | F <sub>c</sub> ±4 MHz | ns   |               | 12   | 43   |
| Phase variation            | F <sub>c</sub> ±4 MHz | Deg  |               | 55   | 85   |
| Amplitude ripple (p-p)     | F <sub>c</sub> ±4 MHz | dB   |               | 1.0  | 2.0  |
| Rejection (referent to IL) |                       |      |               |      |      |
| F <sub>c</sub> -30         | MHz                   | dB   | 8             | 25   | -    |
| F <sub>c</sub> +30         | MHz                   | dB   | 7             | 25   | -    |
| F <sub>c</sub> -60         | MHz                   | dB   | 30            | 40   | -    |
| F <sub>c</sub> +60         | MHz                   | dB   | 30            | 35   | -    |
| F <sub>c</sub> -140        | MHz                   | dB   | 30            | 39   | -    |
| F <sub>c</sub> +140        | MHz                   | dB   | 30            | 39   | -    |
| F <sub>c</sub> -250        | MHz                   | dB   | 35            | 39   | -    |
| F <sub>c</sub> +250        | MHz                   | dB   | 35            | 40   | -    |

Note1. No matching network required for operation at 50Ω

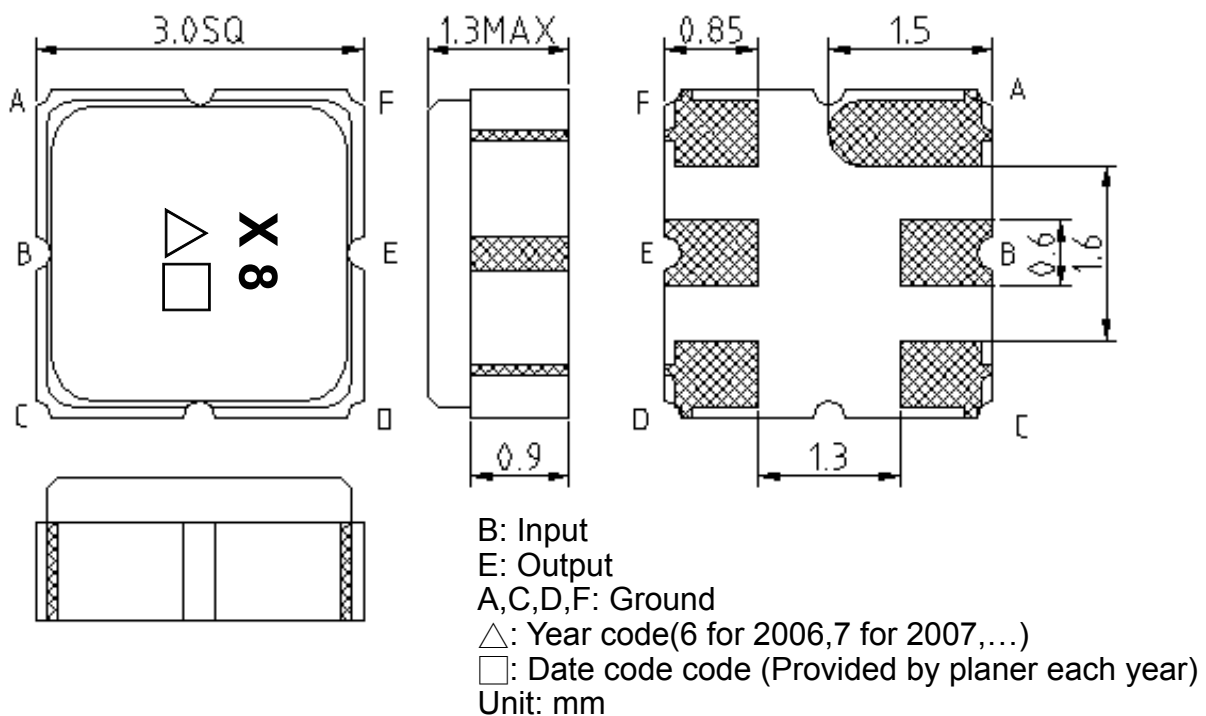
## C. TRANSFER FUNCTION :



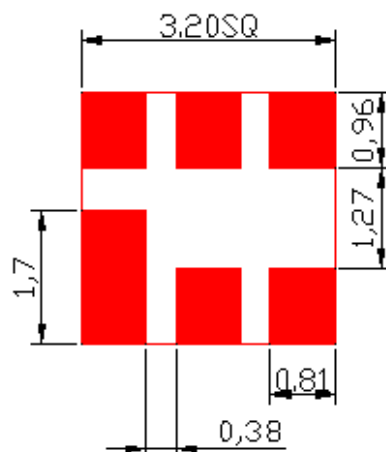
## D. MEASUREMENT CIRCUIT:



## E. OUTLINE DRAWING:

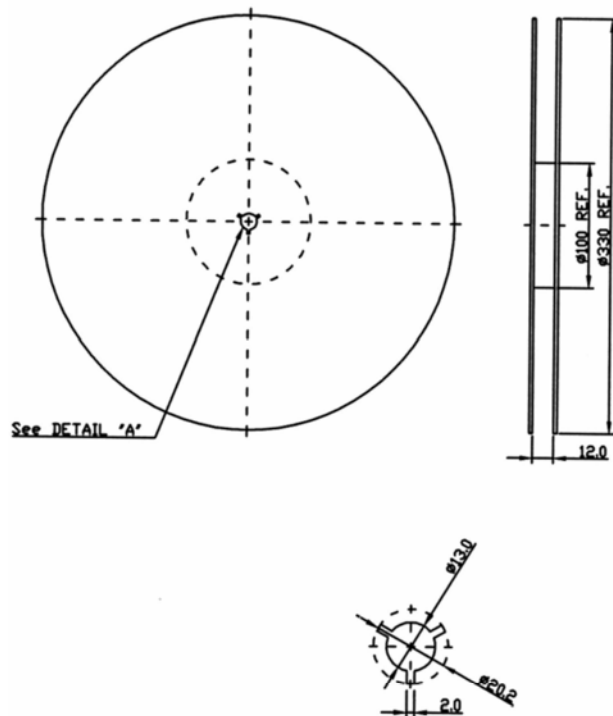


## F. PCB FOOTPRINT:

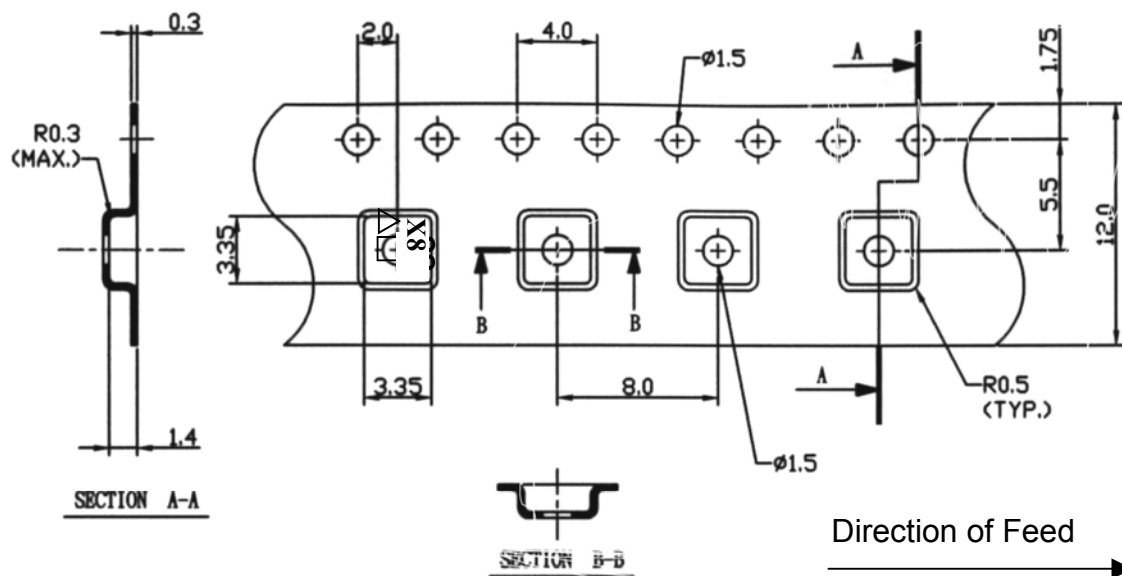


## G. PACKING:

### 1. REEL DIMENSION



### 2. TAPE DIMENSION



**H.RECOMMENDED REFLOW PROFILE:**

