



# 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 285MHz SMD 5.0×5.0 mm

TST Parts No.:TA0486A

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

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

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

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

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

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

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

Date:\_\_\_\_\_ 2005/06/01



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## SAW Filter 285 MHz

MODEL NO.: TA0486A

REV. NO.:1

### A. MAXIMUM RATING:

1. Input Power Level: 0 dB<sub>m</sub>
2. DC voltage: 5 V
3. Operating Temperature: -10°C to +50°C
4. Storage Temperature: -40°C to +85°C

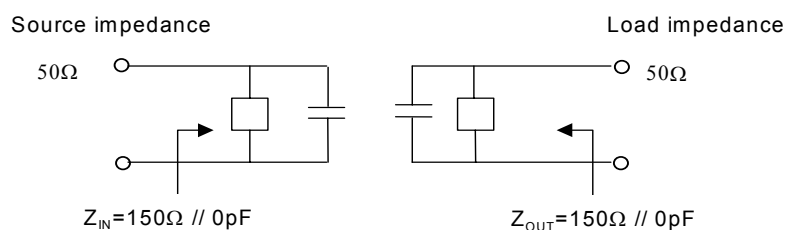
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

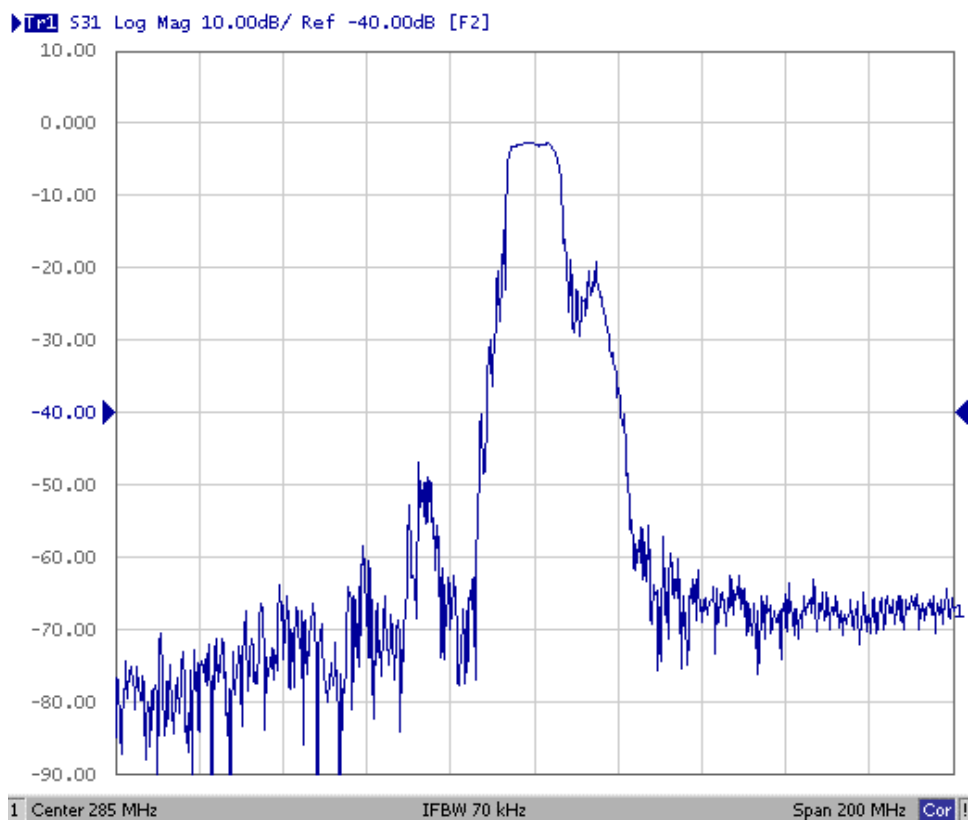
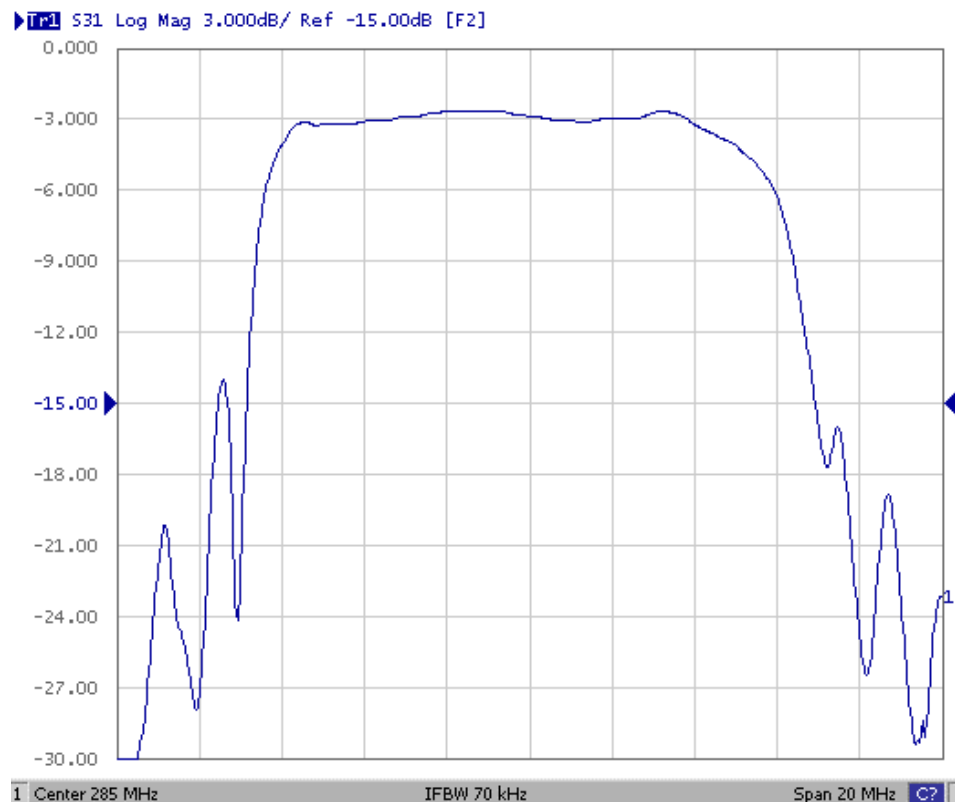
| Characteristics                          | Specification |                      |      | Note |
|------------------------------------------|---------------|----------------------|------|------|
| Unit                                     | Min.          | Typ.                 | Max. |      |
| Center frequency $F_c$ (MHz)             | -             | 285                  | -    | 1    |
| I.L. (Within $F_c \pm 4$ MHz) (dB)       | -             | 2.5                  | 4.5  |      |
| Pass band $BW_{3dB}$ (MHz)               | 8.0           | 12                   | -    | 1    |
| Ripple( Within $F_c \pm 4$ MHz) (dB)     | -             | 1.2                  | 2.0  | 1    |
| Attenuation:( Reference level from 0 dB) |               |                      |      |      |
| $F_c - 100$ MHz to $-37.5$ MHz (dB)      | 48            | 52                   | -    | 1    |
| $F_c + 37.5$ MHz to $+ 100$ MHz (dB)     | 48            | 52                   | -    |      |
| Impedance at $F_c$ ;                     |               | 150 $\Omega$ // 0 Pf |      | 2    |
| Input $Z_{IN}=R_{IN}/C_{IN}$             |               |                      |      |      |
| Output $Z_{OUT}=R_{OUT}/C_{OUT}$         |               | 150 $\Omega$ // 0 Pf |      | 2    |

Note1. The standard definitions is in JIS C 6703

Note2.

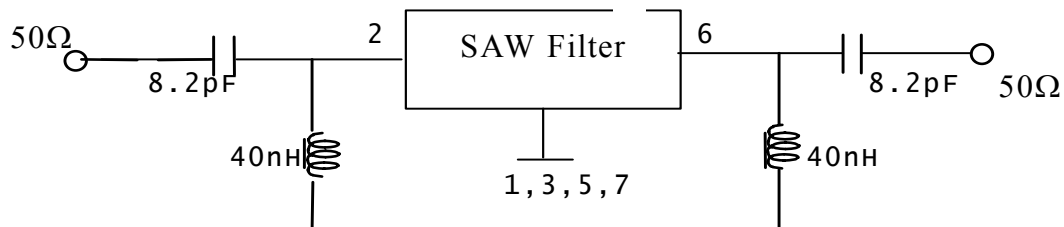


### C. Frequency Characteristics :

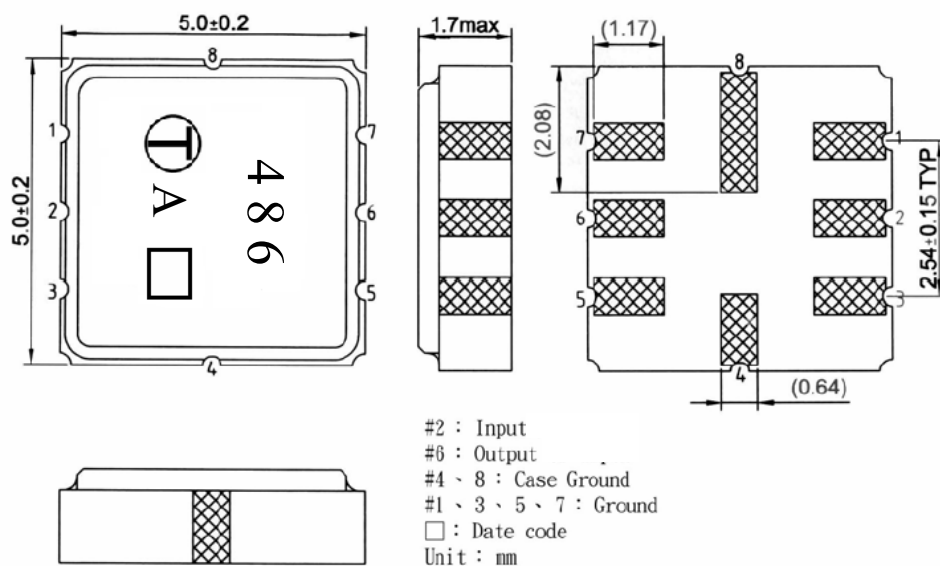


## D. MEASUREMENT CIRCUIT:

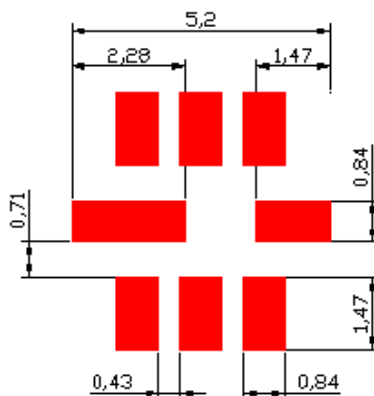
Network analyzer



## E. OUTLINE DRAWING:

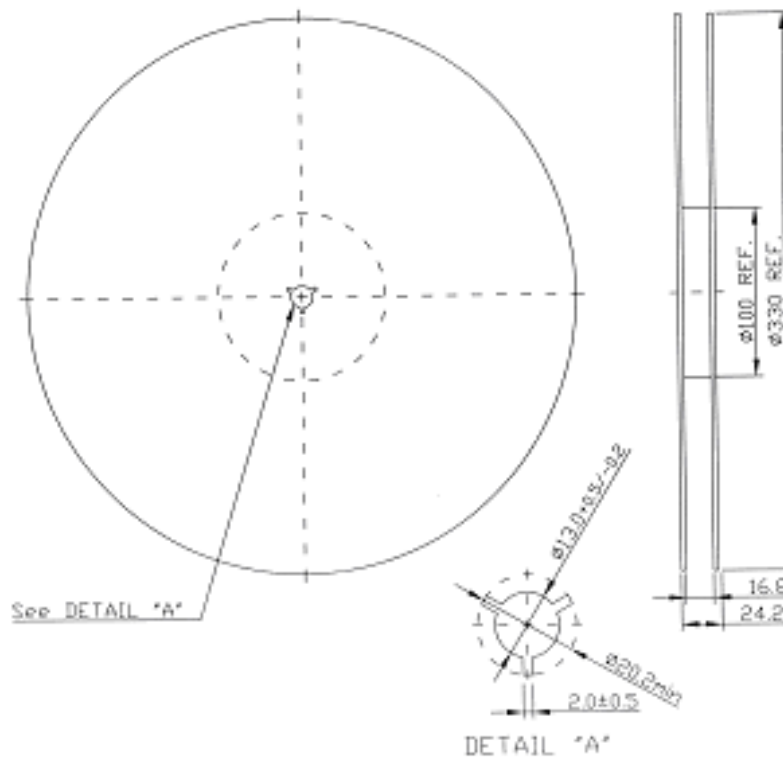


## F. PCB FOOTPRINT:

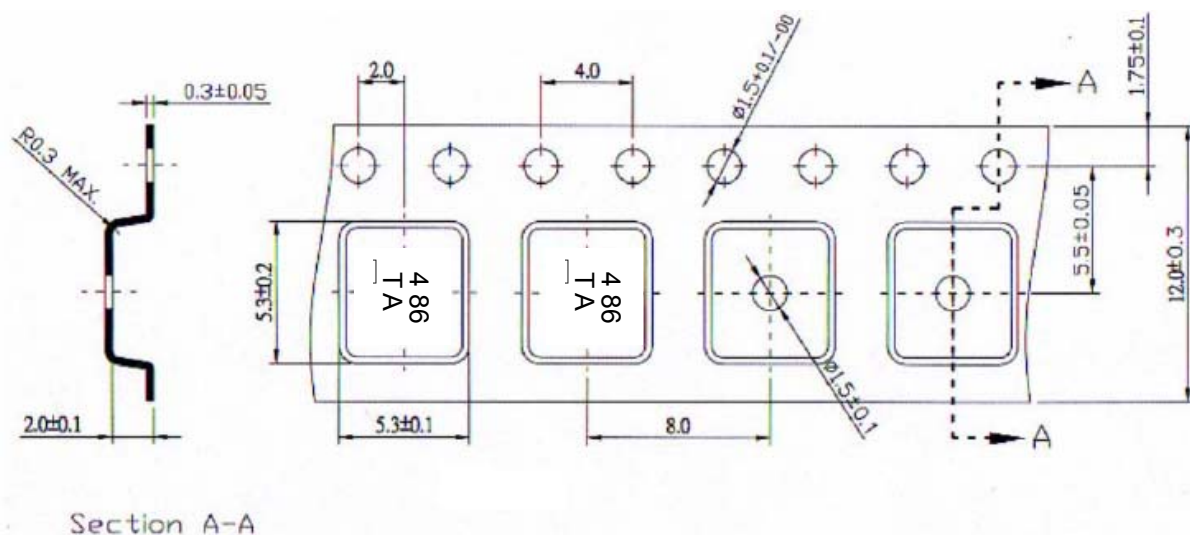


## G. PACKING:

### 1. REEL DIMENSION



### 2. TAPE DIMENSION



Section A-A

Direction of Feed

