



# 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: February, 16, 2007

Product Name: SAW Filter 1885 MHz SMD 3.0X3.0 mm

TST Parts No.:TA0629A

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

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

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

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

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

Checked by:\_\_\_\_\_ Paul Ni

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

Date:\_\_\_\_\_ 02, 16, 2007



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## SAW Filter 1885 MHz

MODEL NO.: TA0629A

REV. NO : 1.0

### A. MAXIMUM RATING:

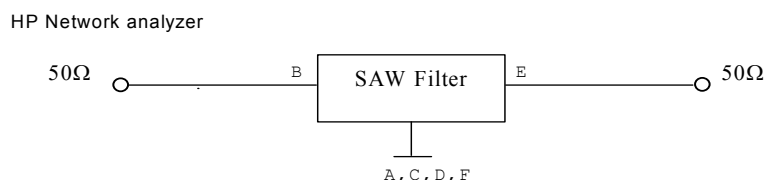
1. Input Power Level: 10 dB<sub>m</sub>
2. DC voltage: 3 V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant  
Lead free  
Lead-free soldering

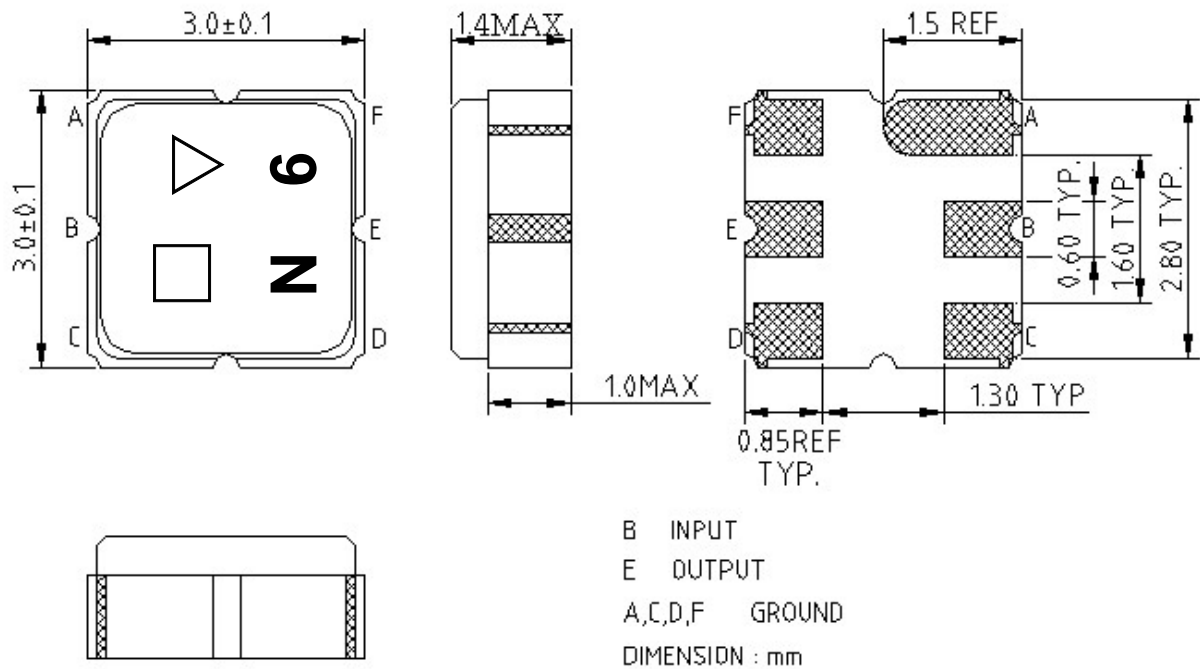
### B. ELECTRICAL CHARACTERISTICS:

| Item                                                       | Min. | Typ. | Max. |
|------------------------------------------------------------|------|------|------|
| <b>Center frequency</b> <b>F<sub>c</sub></b> (dB)          | -    | 1885 | -    |
| <b>Insertion loss</b> within 1850 ~1920 MHz <b>IL</b> (dB) | -    | 2.4  | 3.8  |
| <b>Amplitude ripple</b> (p-p) within 1850 ~ 1920 MHz (dB)  | -    | 1.2  | 2.5  |
| <b>Attenuation</b> (Reference level from 0 dB)             |      |      |      |
| D.C. ~ 1542.5 MHz (dB)                                     | 14.0 | 24.5 | -    |
| 1542.5 ~ 1752.5 MHz (dB)                                   | 15.0 | 26.0 | -    |
| 1752.5 ~ 1827.5 MHz (dB)                                   | 10.0 | 17.5 | -    |
| 1962.5 ~ 3162.5 MHz (dB)                                   | 17.0 | 30.0 | -    |
| 3162.5 ~ 4000 MHz (dB)                                     | 14.0 | 30.0 | -    |
| <b>VSWR</b> within 1850 ~1920 MHz                          | -    | 1.9  | 2.6  |
| <b>Source impedance</b> <b>Z<sub>s</sub></b> (Ω)           | -    | 50   | -    |
| <b>Load impedance</b> <b>Z<sub>L</sub></b> (Ω)             | -    | 50   | -    |

### C. MEASUREMENT CIRCUIT:



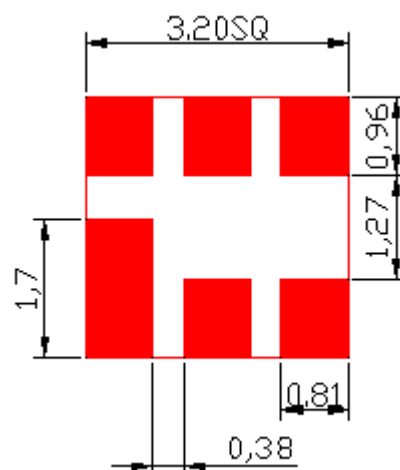
## D.OUTLINE DRAWING:



△ : Year Code(2007→7, ... 2009→9)

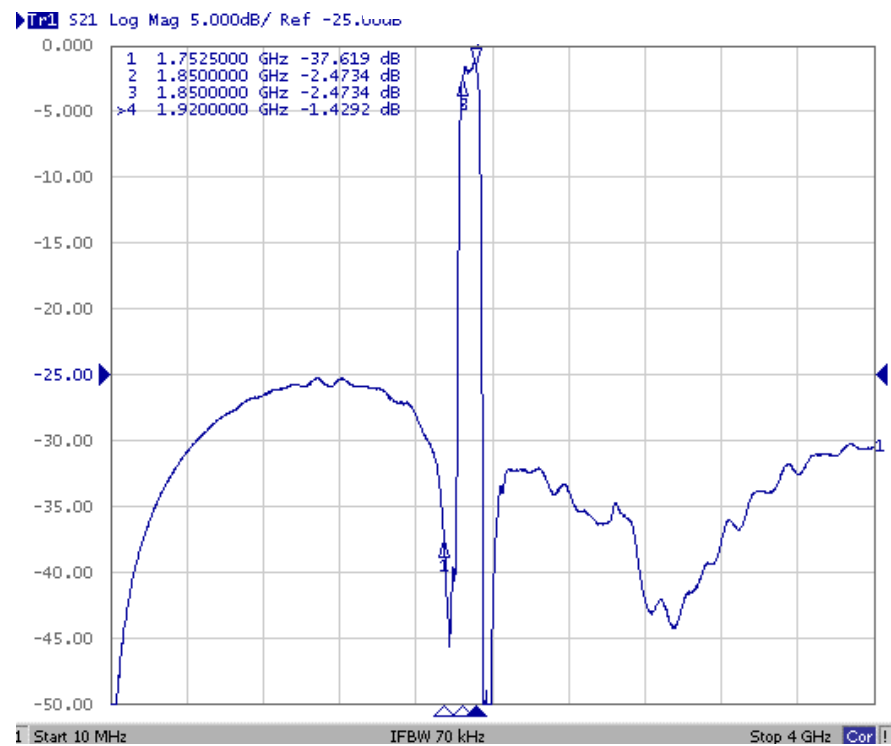
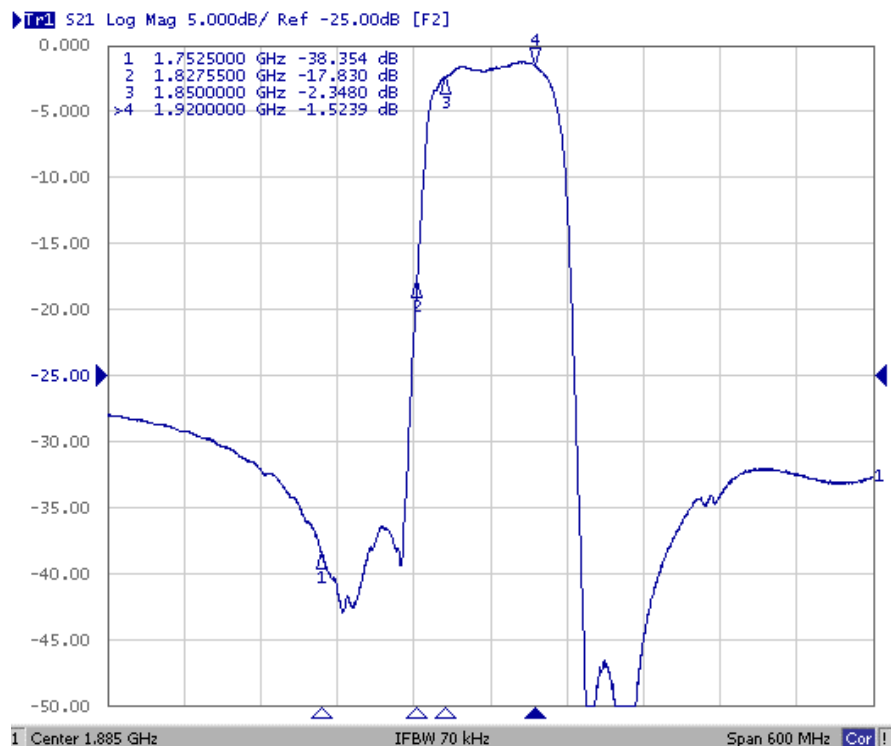
□ : Date Code(Follow the table from planner each year)

## E. PCB Footprint :



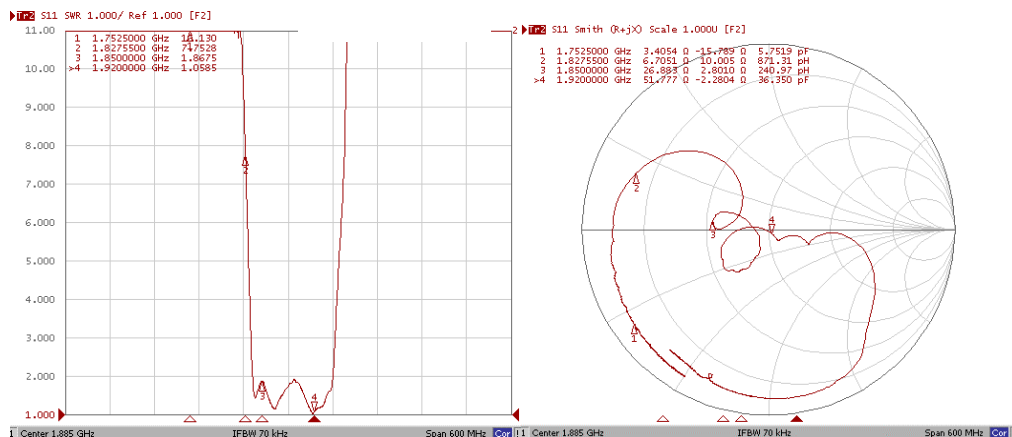
## F. Frequency Characteristics :

### Transfer function

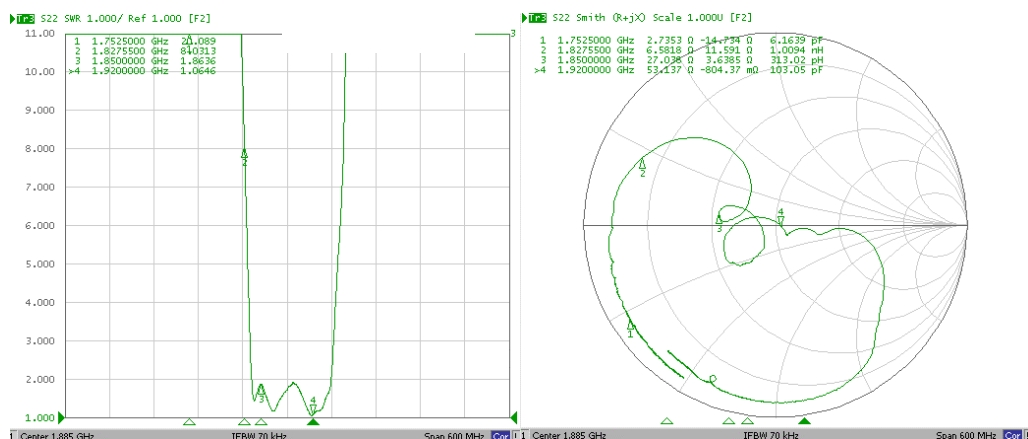


## Reflections Functions :

### S11 VSWR

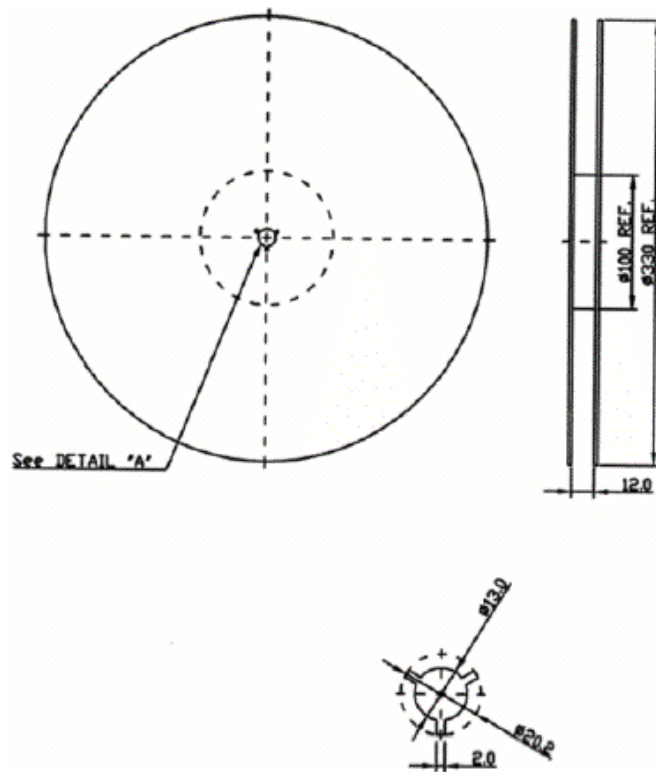


### S22 VSWR

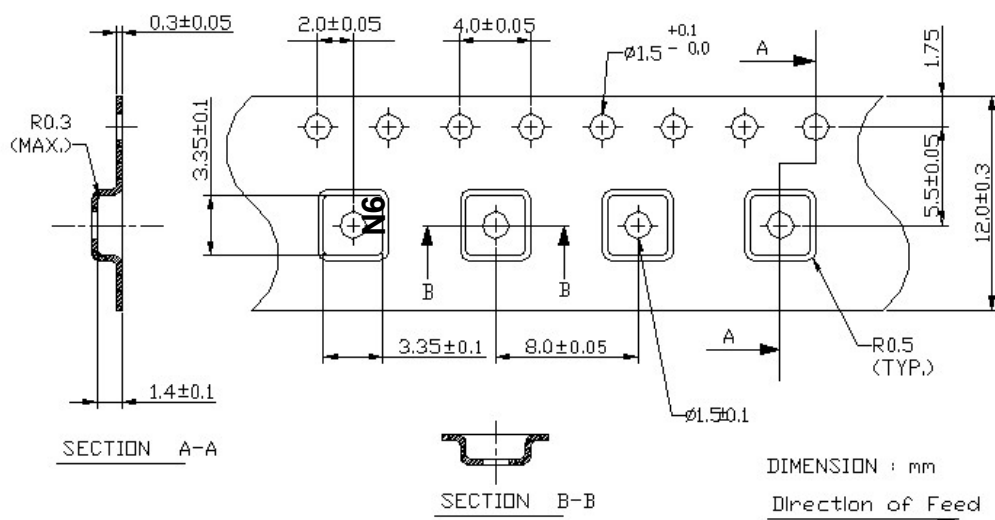


## G. PACKING:

### 1. REEL DIMENSION



### 2. TAPE DIMENSION



## H. RECOMMENDED REFLOW PROFILE:

