



# 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: Jun, 26, 2008

Product Name: SAW Filter 1687.5 MHz SMD 3.0X3.0 mm

TST Parts No.: TA0872A

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

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: \_\_\_\_\_ Bob Chau *Bob Chau*

Approval by: \_\_\_\_\_ Francis Chen *Francis Chen* 06/26/2008

Date: \_\_\_\_\_ 6, 26, 2008



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## SAW Filter 1687.5 MHz

MODEL NO.:TA0872A

REV. NO.:1

### A. MAXIMUM RATING:

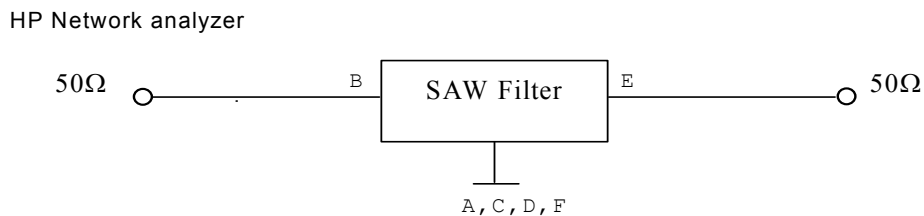
1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -30°C to +80°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant  
Lead free  
Lead-free soldering

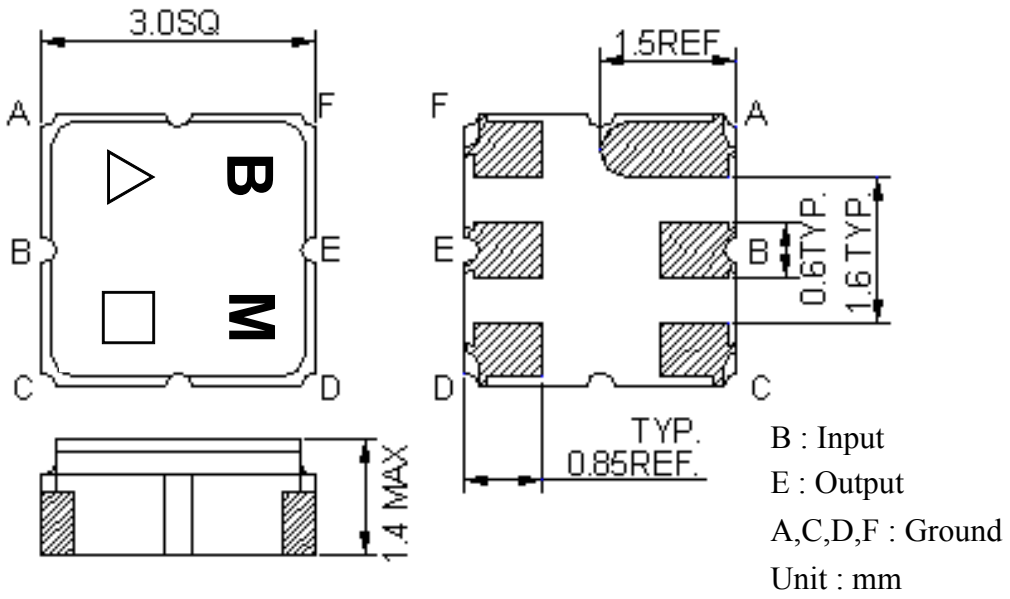
### B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center Frequency <b>Fc</b>	MHz	-	1687.5	-	-
Insertion Loss (1675.5 ~ 1699.5 MHz) <b>IL</b>	dB	-	3.3	4	-
Amplitude Ripple (1675.5 ~ 1699.5 MHz)	dB	-	0.5	1.7	-
Return Loss (1675.5~1699.5 MHz)	dB	9	11	-	-
Group delay ripple (1675.5~1699.5MHz)	ns	-	6	20	-
<b>Attenuation</b> (Reference level from 0 dB)					
100~1605 MHz	dB	40	45	-	-
1800~2100 MHz	dB	40	43	-	-
2100~2700 MHz	dB	38	41	-	-

### C. MEASUREMENT CIRCUIT:

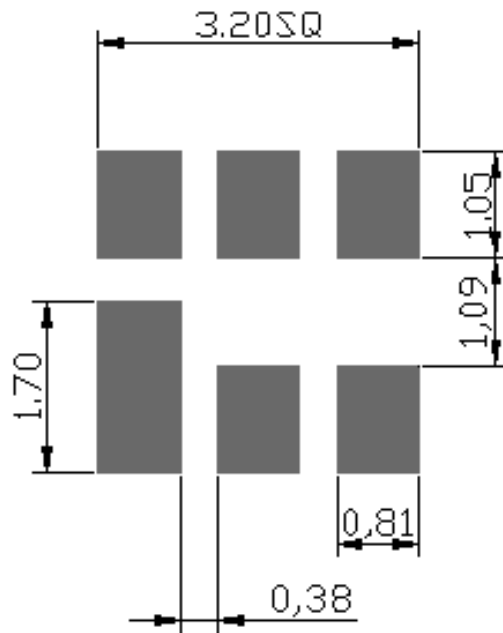


**D.OUTLINE DRAWING:**

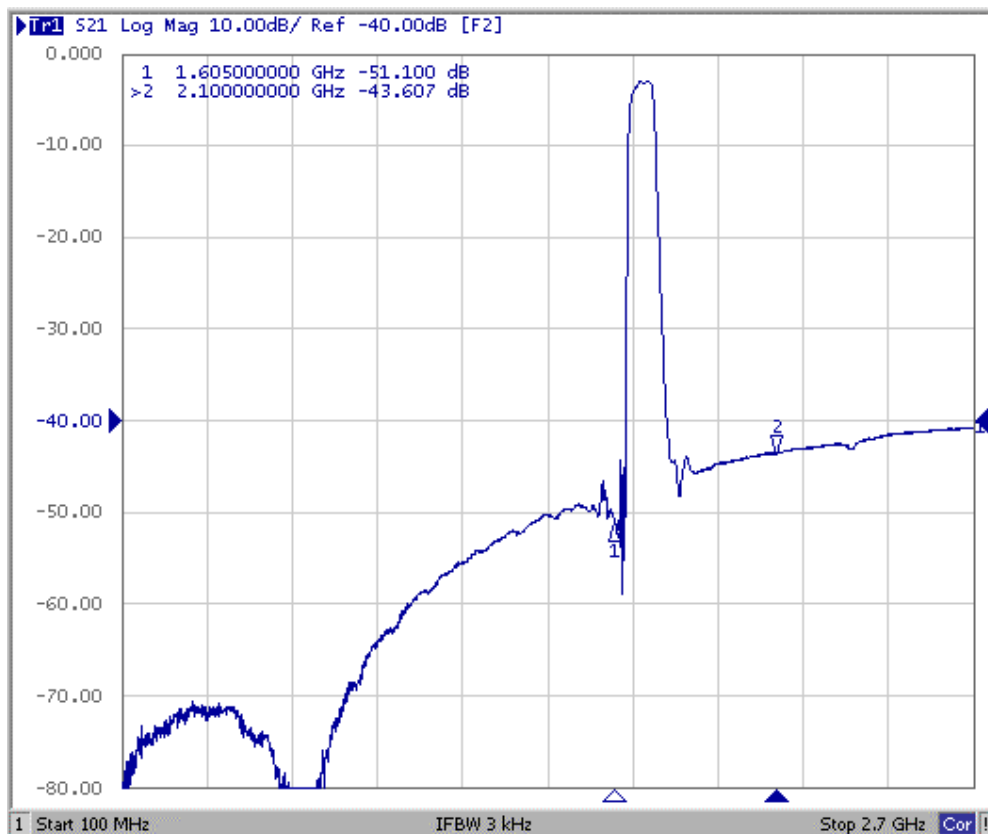
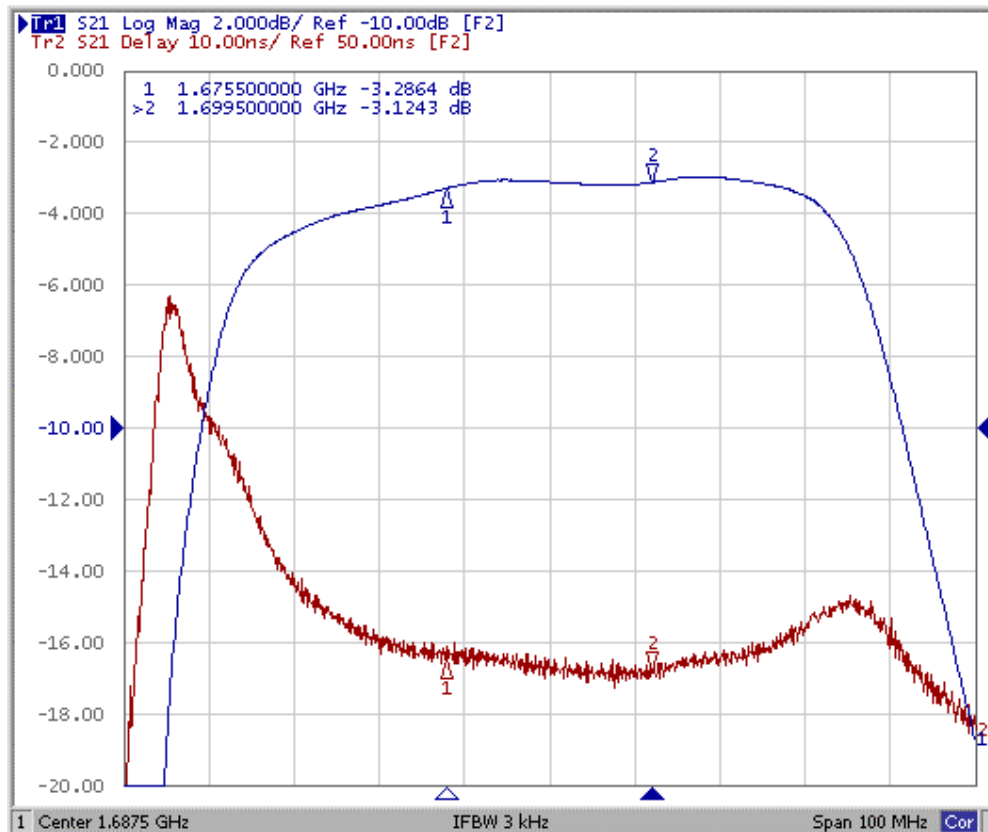


- △ : Year Code (2006->6, ..., 2009->9)
- : Date Code (W01->A, W02->B,...W52->z)

**E. PCB Footprint:**

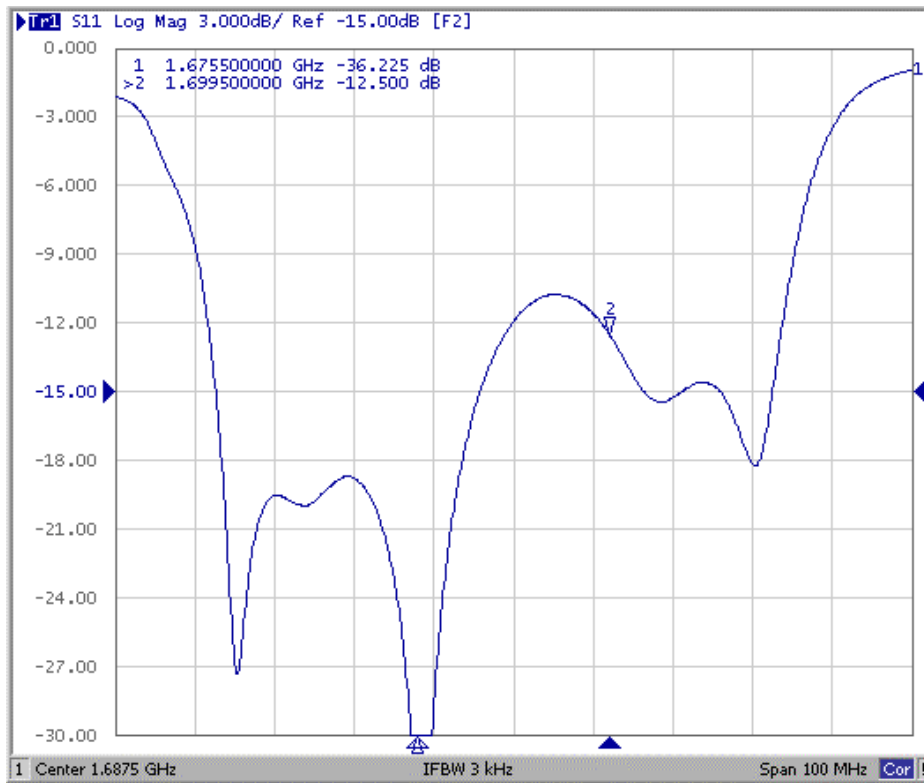


## F. Frequency Characteristics :

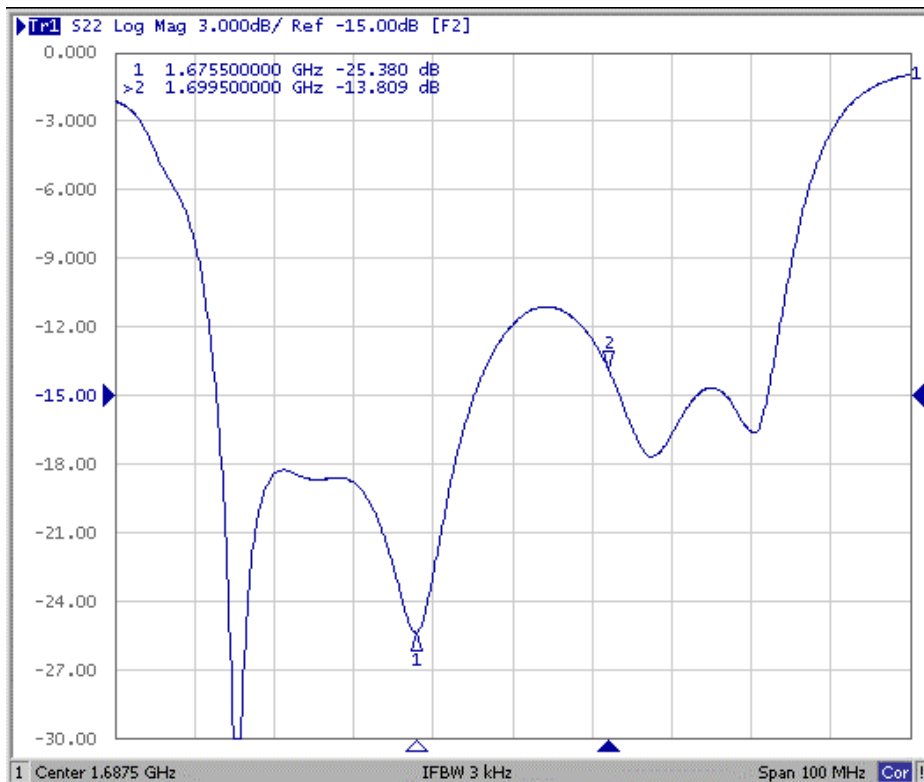


Reflection Functions :

S11



S22



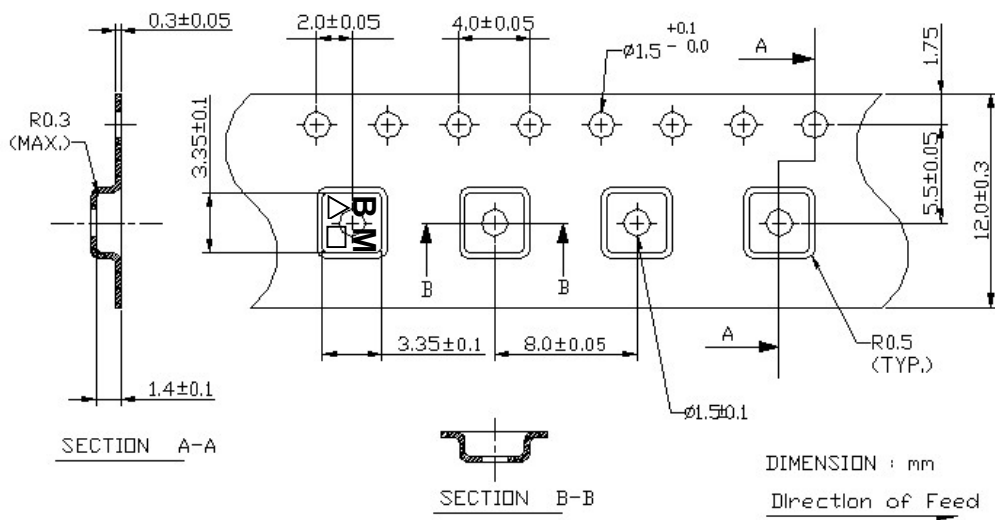
**G. PACKING:**

**1. REEL DIMENSION**

(Reel Count : 7''=1000 ; 13''=3000 )



**2. TAPE DIMENSION**



**H. RECOMMENDED REFLOW PROFILE :**

