



# 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 1237.5 MHz SMD 3.0X3.0 mm

TST Parts No.: TA0871A

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

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

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

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

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



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## SAW Filter 1237.5 MHz

MODEL NO.:TA0871A

REV. NO.:1

### A. MAXIMUM RATING:

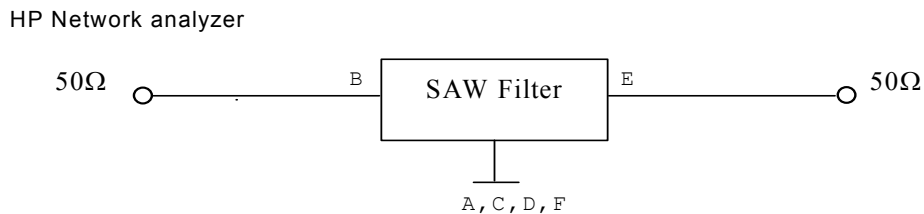
1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -30°C to +80°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant  
Lead free  
Lead-free soldering

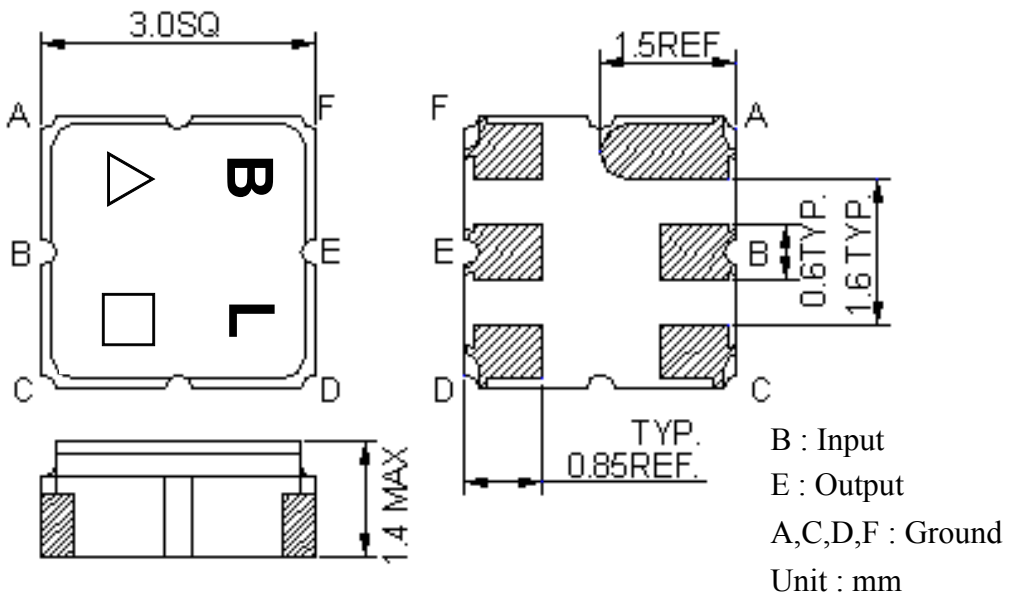
### B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency <b>Fc</b>	MHz	-	1237.5	-	-
Insertion loss (1225.5~1249.5MHz) <b>IL</b>	dB	-	2.8	4	-
Amplitude Ripple (1225.5 ~ 1249.5 MHz)	dB	-	0.8	1.7	-
Return Loss (1225.5~1249.5 MHz)	dB	9	11	-	-
Group delay ripple (1225.5~1249.5MHz)	ns	-	9	20	-
<b>Attenuation</b> (Reference level from 0 dB)					
100 ~ 1150 MHz	dB	40	52	-	-
1350 ~ 2500 MHz	dB	40	45	-	-

### C. MEASUREMENT CIRCUIT:

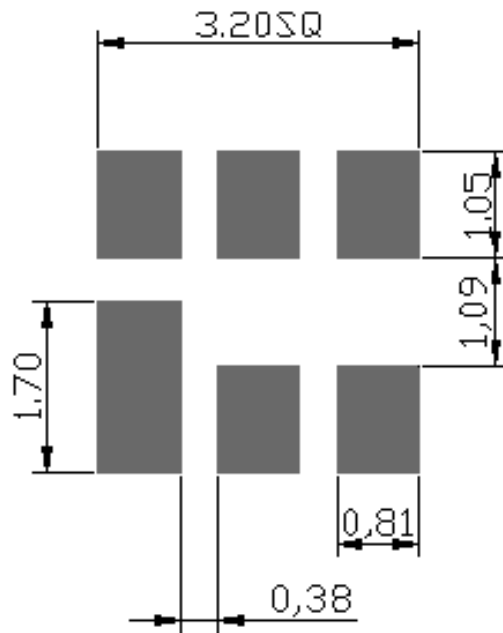


**D.OUTLINE DRAWING:**

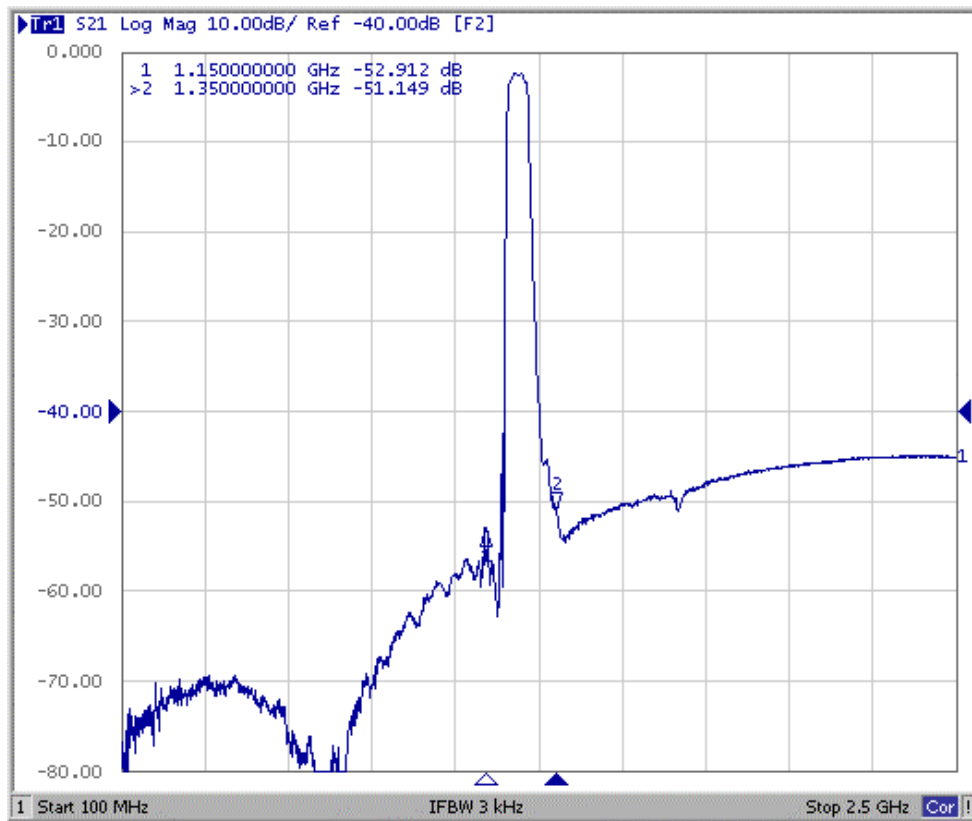
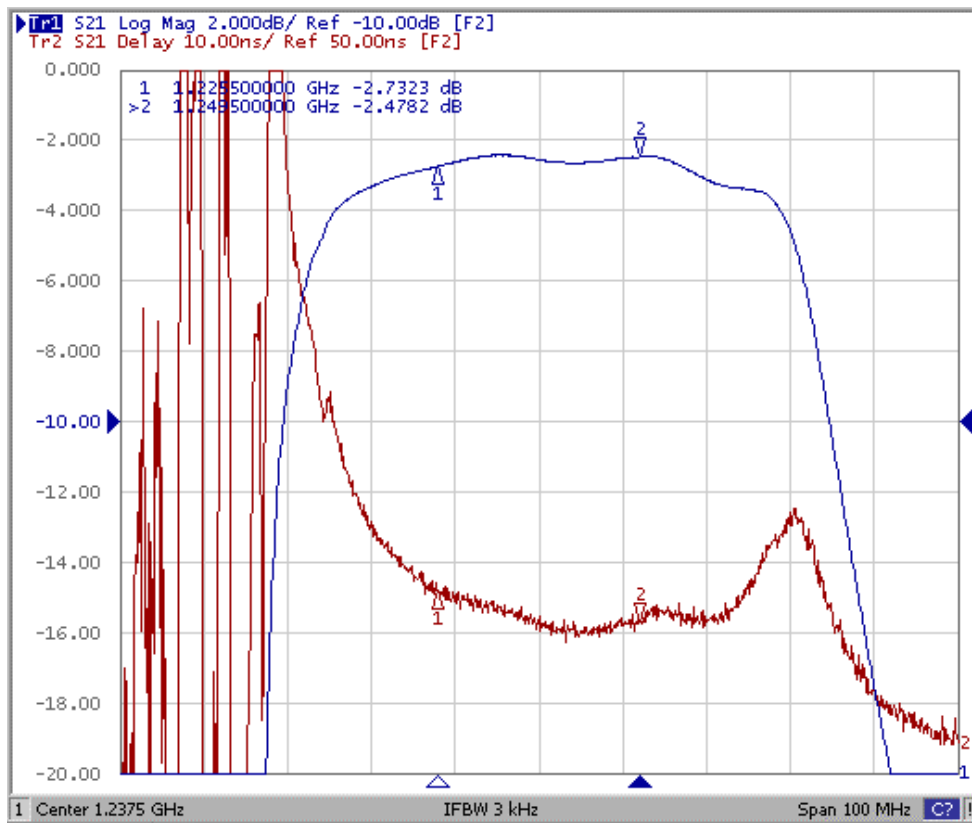


△ : Year Code (2007->7, 2008->8,..., 2009->9)  
 □ : Date Code (W01->A, W02->B,...W52->z)

**E. PCB Footprint:**

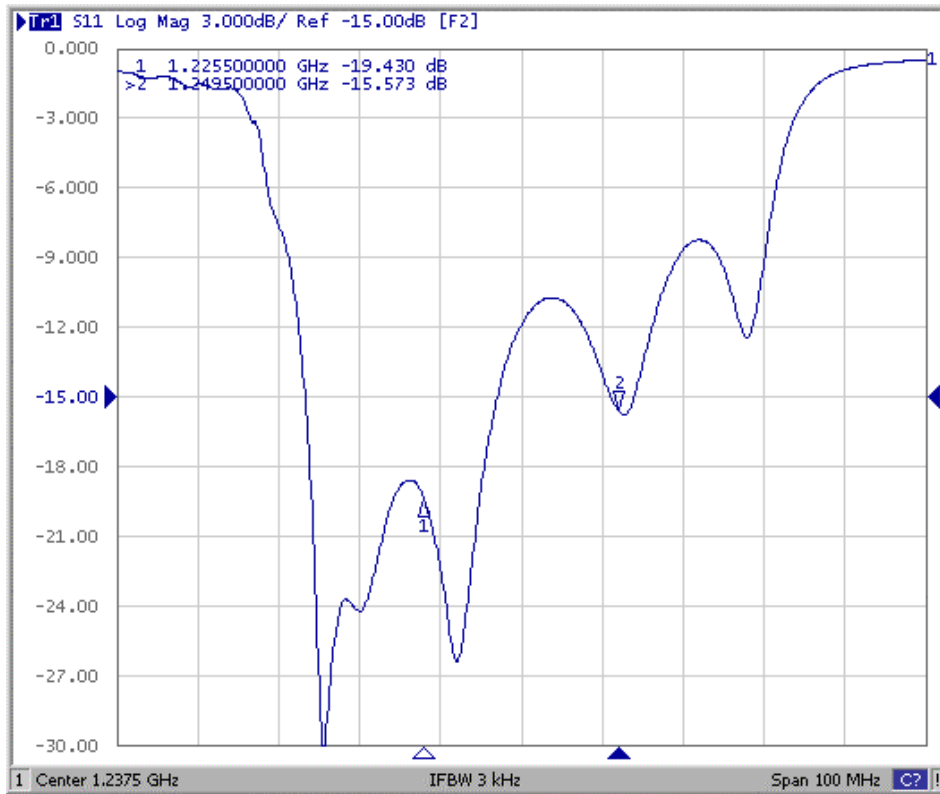


## F. Frequency Characteristics :

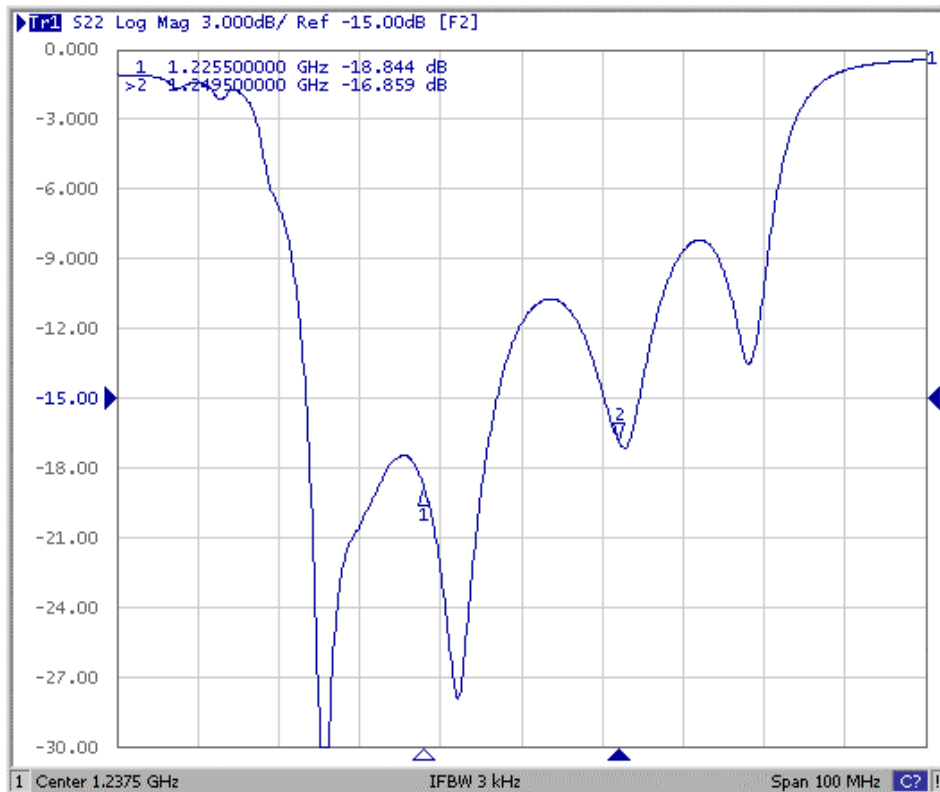


Reflection Functions :

S11



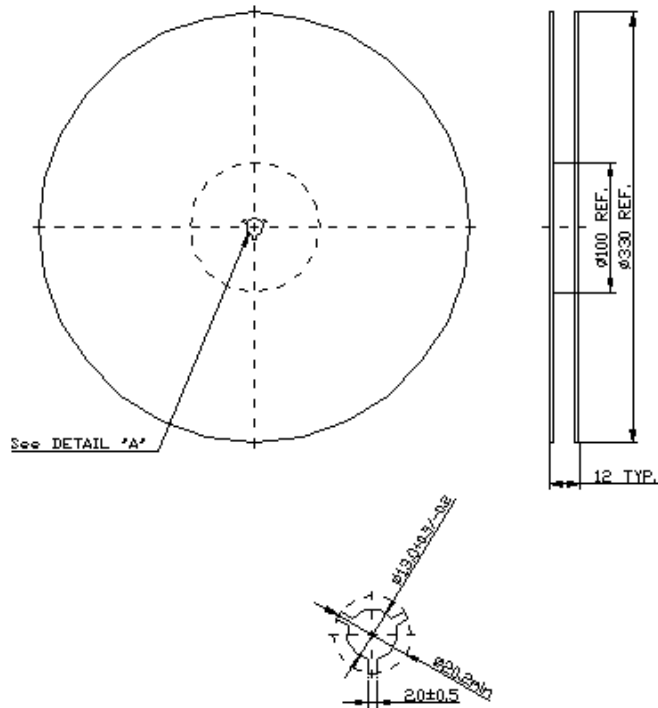
S22



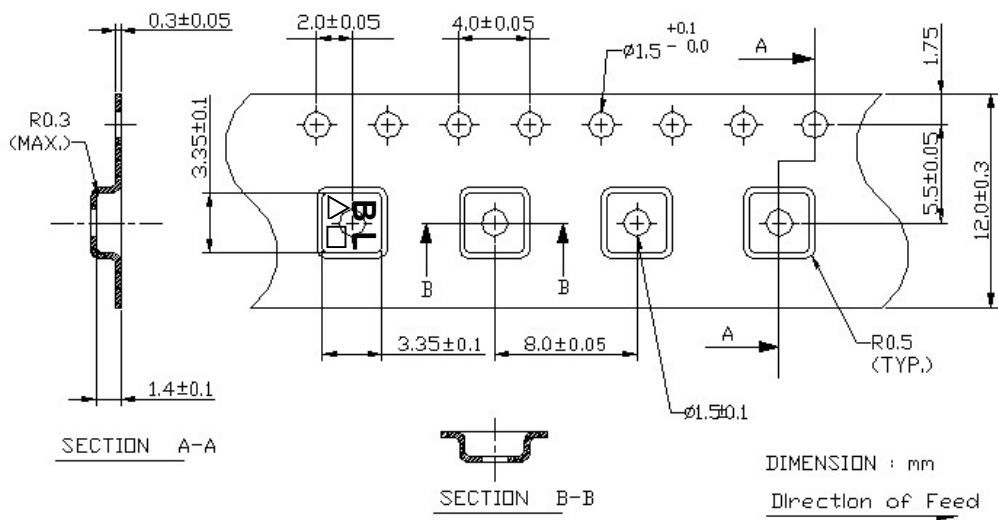
**G. PACKING:**

**1. REEL DIMENSION**

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



**2. TAPE DIMENSION**



## H. RECOMMENDED REFLOW PROFILE :

