



# 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: Jan, 23, 2009

Product Name: SAW Filter 1561 MHz SMD 3.0X3.0 mm

TST Parts No.: TA0967A

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

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

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

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

Date: \_\_\_\_\_ 1, 23, 2009



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## SAW Filter 1561 MHz

MODEL NO.:TA0967A

REV. NO.:1

### A. MAXIMUM RATING:

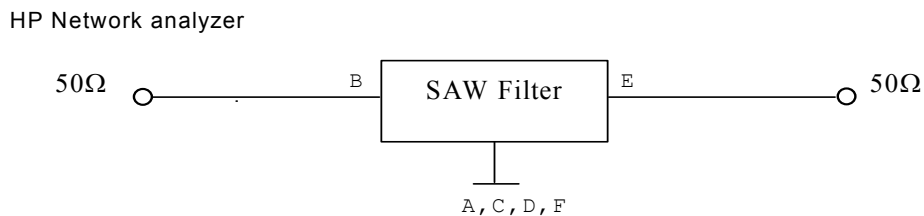
1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +70°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant  
Lead free  
Lead-free soldering

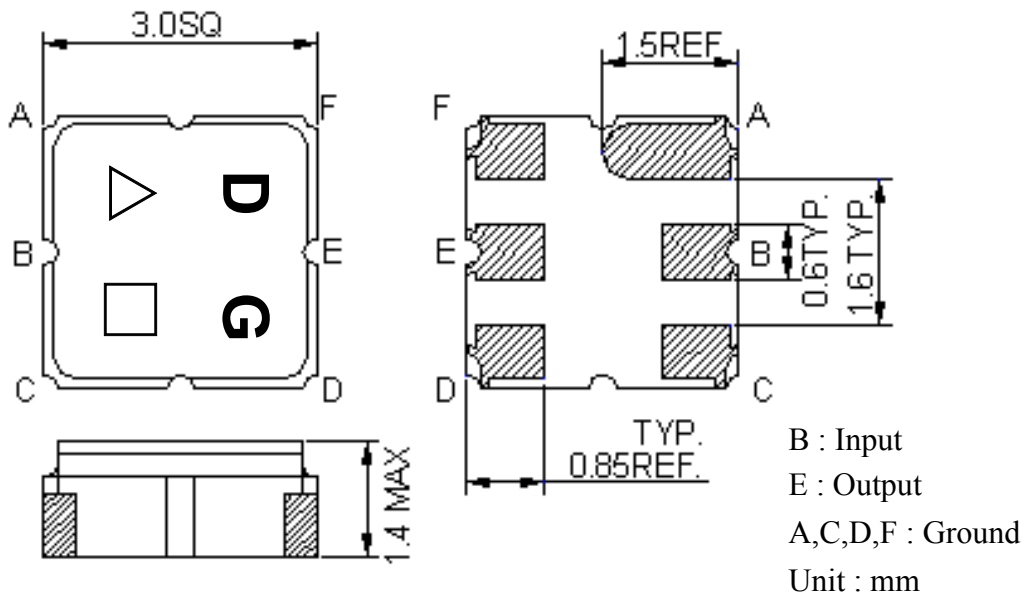
### B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center Frequency <b>Fc</b>	MHz	-	1561	-	-
Insertion loss (1550.5~1571.5 MHz) <b>IL</b>	dB	-	3.3	4	-
Amplitude ripple (1550.5~1571.5 MHz)	dB	-	0.5	2	-
VSWR (1550.5~1571.5 MHz)		-	1.5	2	-
<b>Attenuation</b> (Reference level from 0 dB)					
<b>Fc-500 to Fc-100</b> MHz	dB	45	49	-	-
<b>Fc-100 to Fc-60</b> MHz	dB	40	45	-	-
<b>Fc-60 to Fc-40</b> MHz	dB	20	32.5	-	-
<b>Fc+40 to Fc+60</b> MHz	dB	20	26	-	-
<b>Fc+60 to Fc+80</b> MHz	dB	35	43	-	-
<b>Fc+80 to Fc+500</b> MHz	dB	45	50	-	-

### C. MEASUREMENT CIRCUIT:



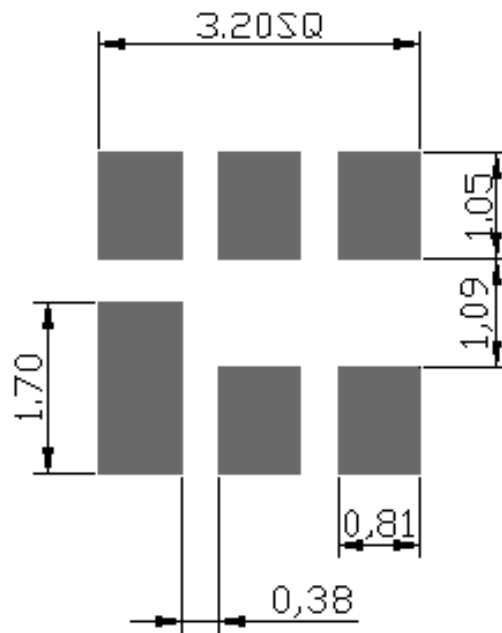
**D.OUTLINE DRAWING:**



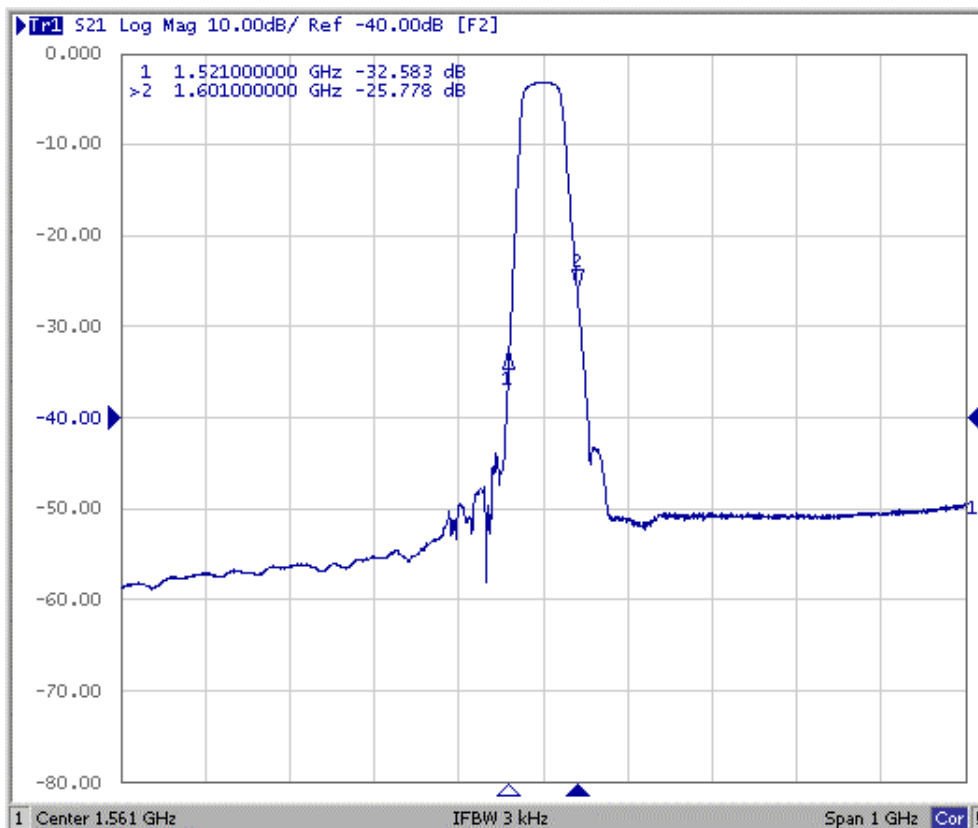
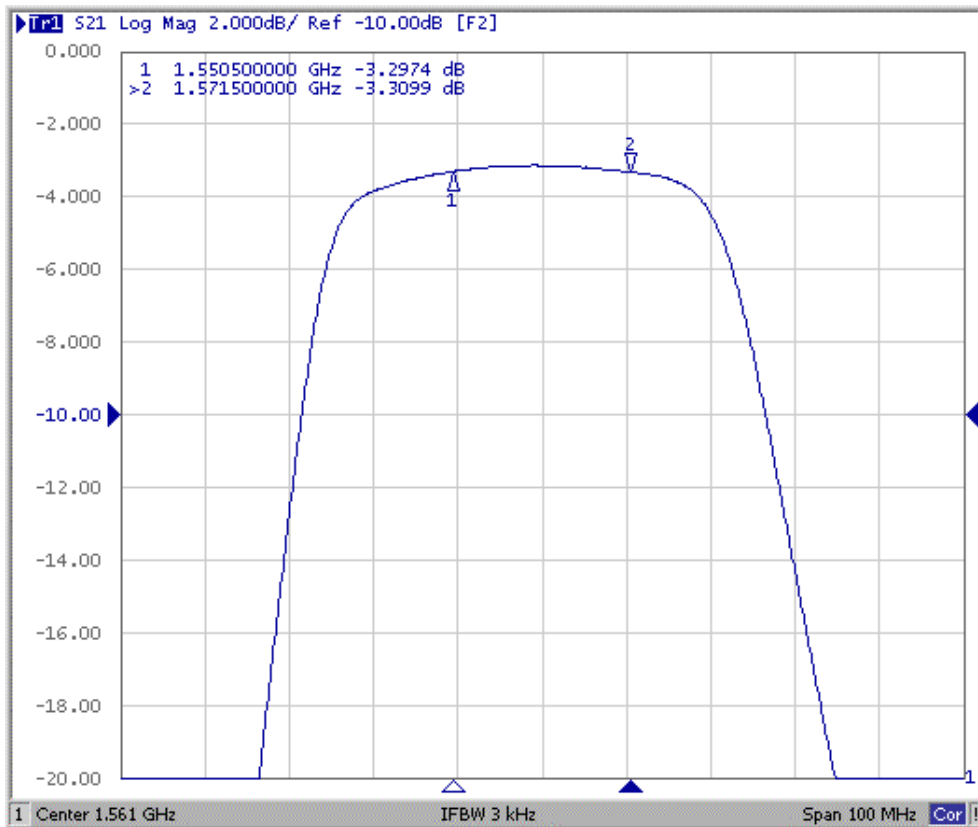
△ : Year Code (2006->6, ..., 2009->9)

□ : Date Code (W01->A, W02->B, ..., W27->a, ..., W52->z)

**E. PCB Footprint:**

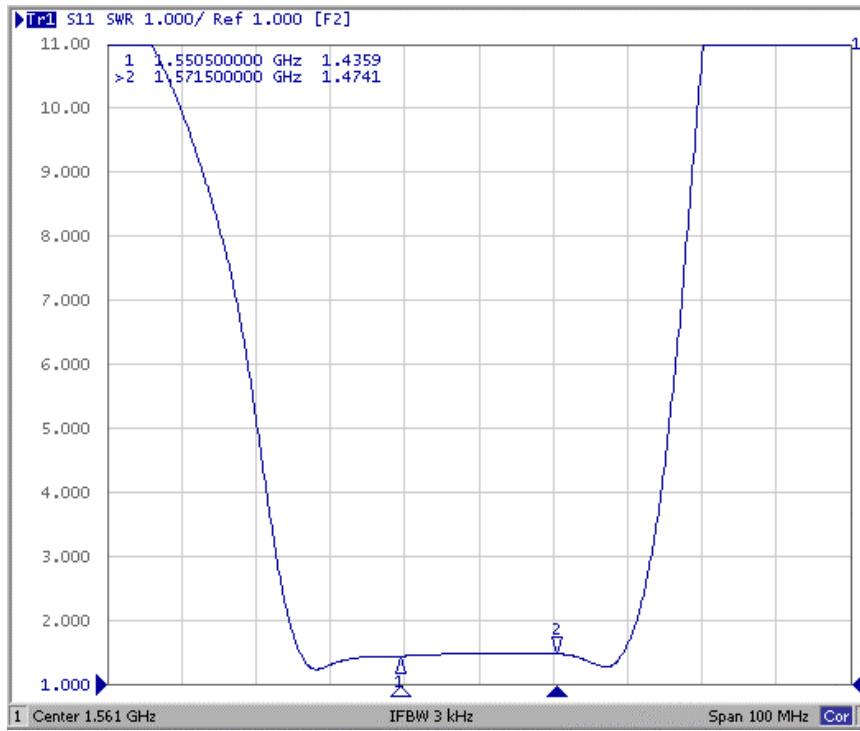


## F. Frequency Characteristics :

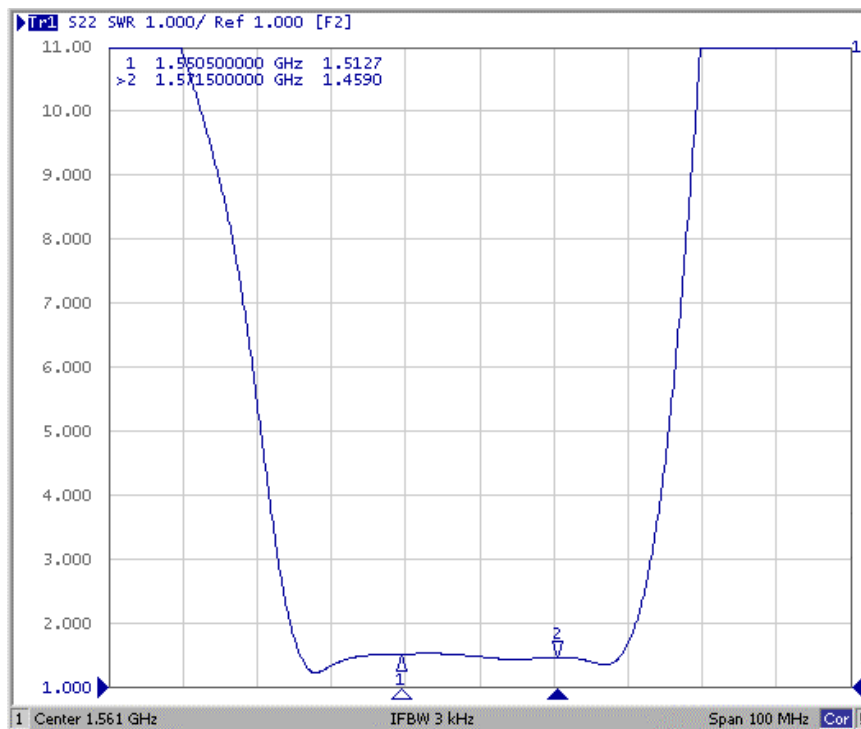


# Reflection Functions :

## S11



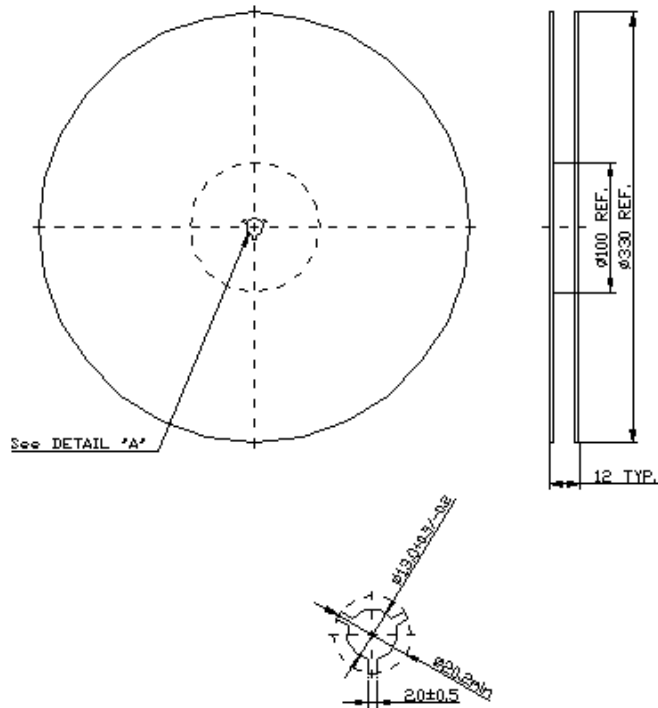
## S22



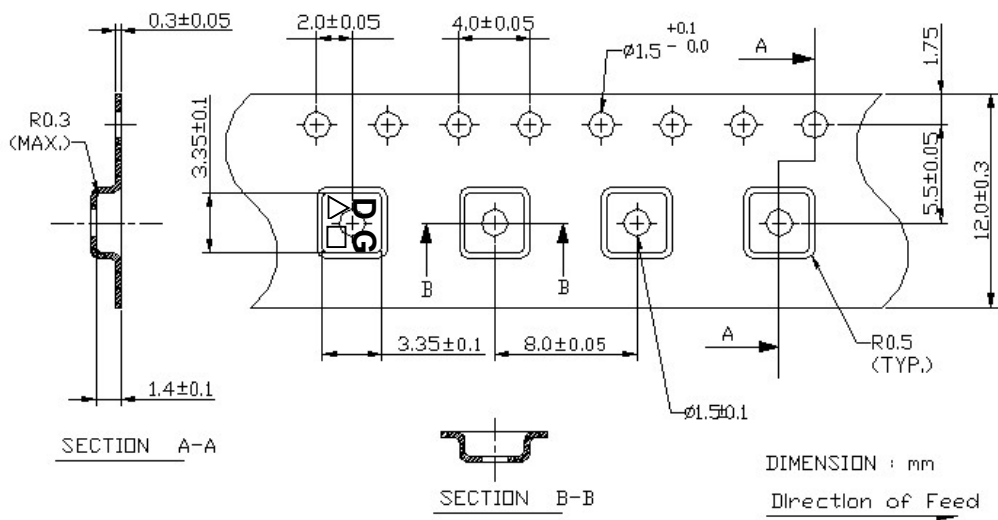
**G. PACKING:**

**1. REEL DIMENSION**

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



**2. TAPE DIMENSION**



**H. RECOMMENDED REFLOW PROFILE :**

