



# 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: Nov, 20, 2007

Product Name: SAW Filter 2045 MHz SMD 3.0X3.0 mm

TST Parts No.: TA0768A

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

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

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

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

Date: \_\_\_\_\_ 11, 20, 2007



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## SAW Filter 2045 MHz

MODEL NO.:TA0768A

REV. NO.:1

### A. MAXIMUM RATING:

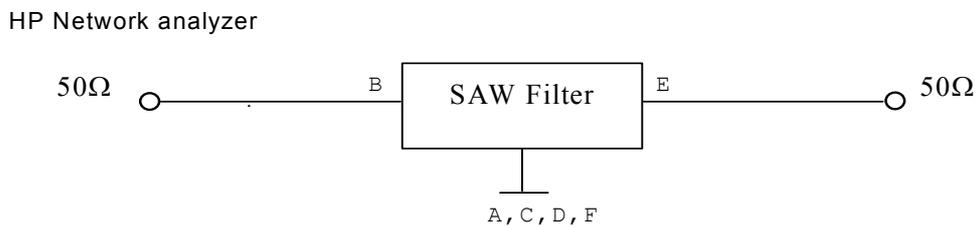
1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -40°C to +95°C

RoHS Compliant  
Lead free  
Lead-free soldering

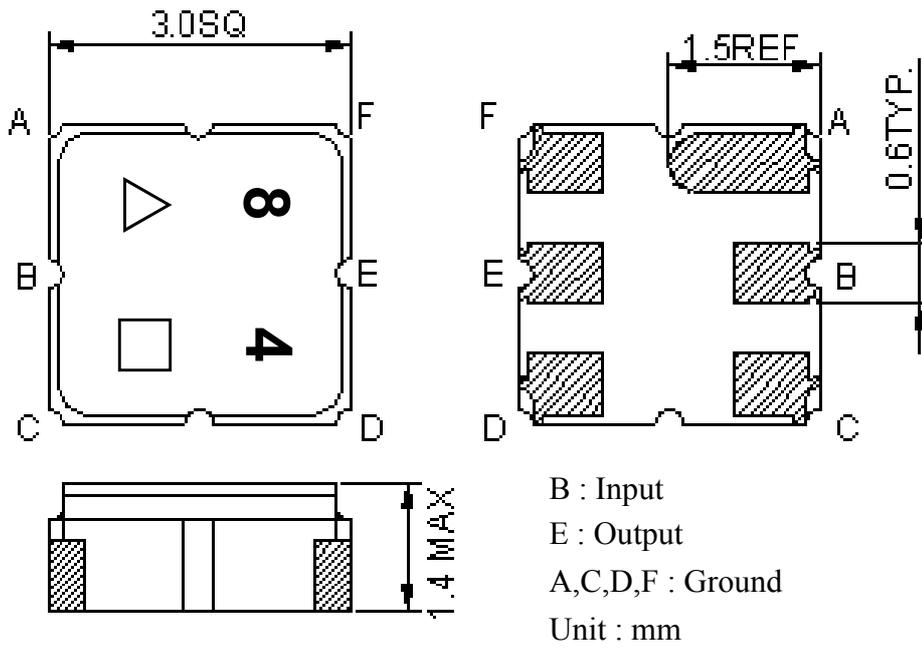
### B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center Frequency <b>Fc</b>	MHz	-	2045	-	-
Insertion Loss (2037.5 ~ 2052.5 MHz) <b>IL</b>	dB	-	1.8	3	-
Amplitude Ripple (2037.5 ~ 2052.5 MHz)	dB	-	0.3	1.3	-
<b>Attenuation</b> (Reference level from 0 dB)					
D.C. ~ 1970 MHz	dB	33	35	-	-
2100 ~ 2300 MHz	dB	35	43	-	-

### C. MEASUREMENT CIRCUIT:



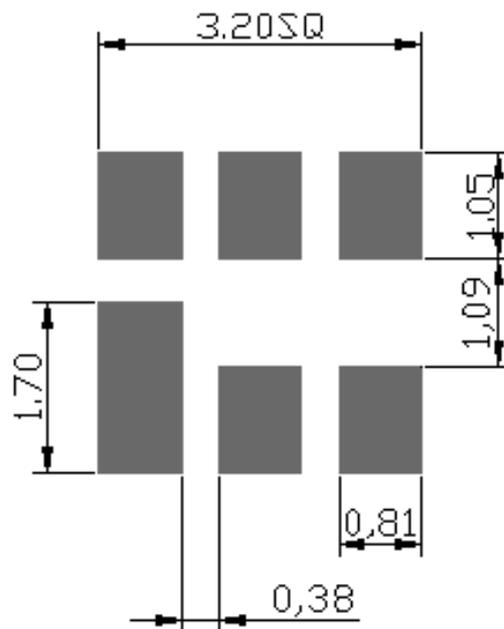
**D.OUTLINE DRAWING:**



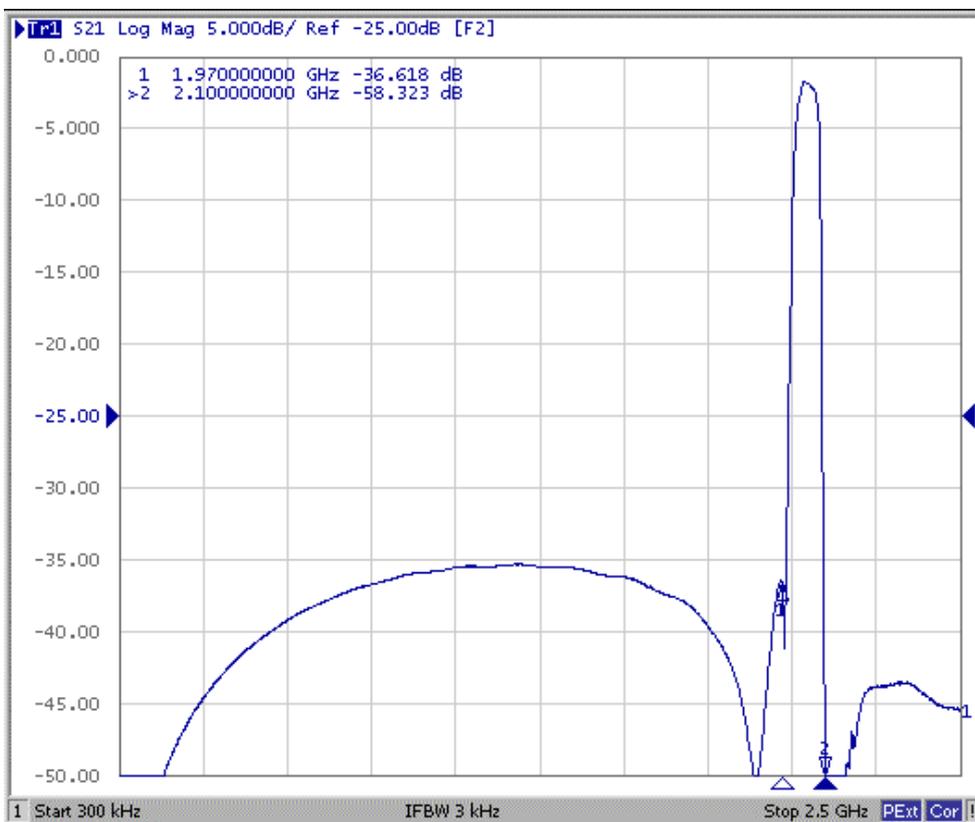
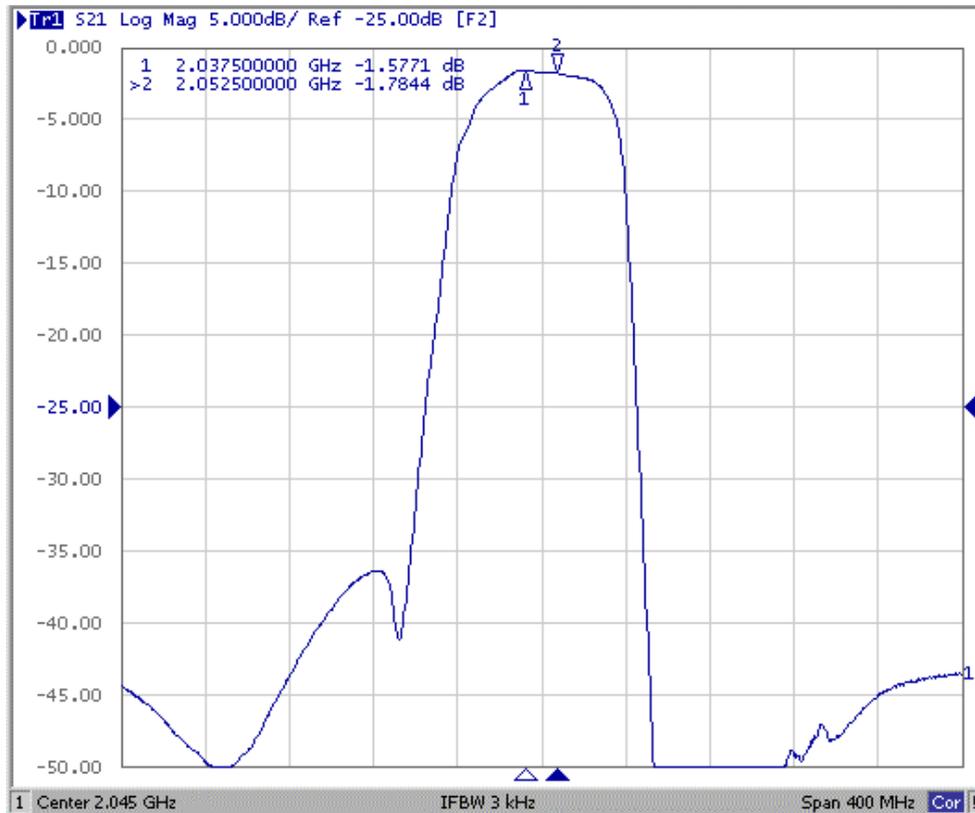
△ : Year Code (2006->6, ..., 2009->9)

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

**E. PCB Footprint:**

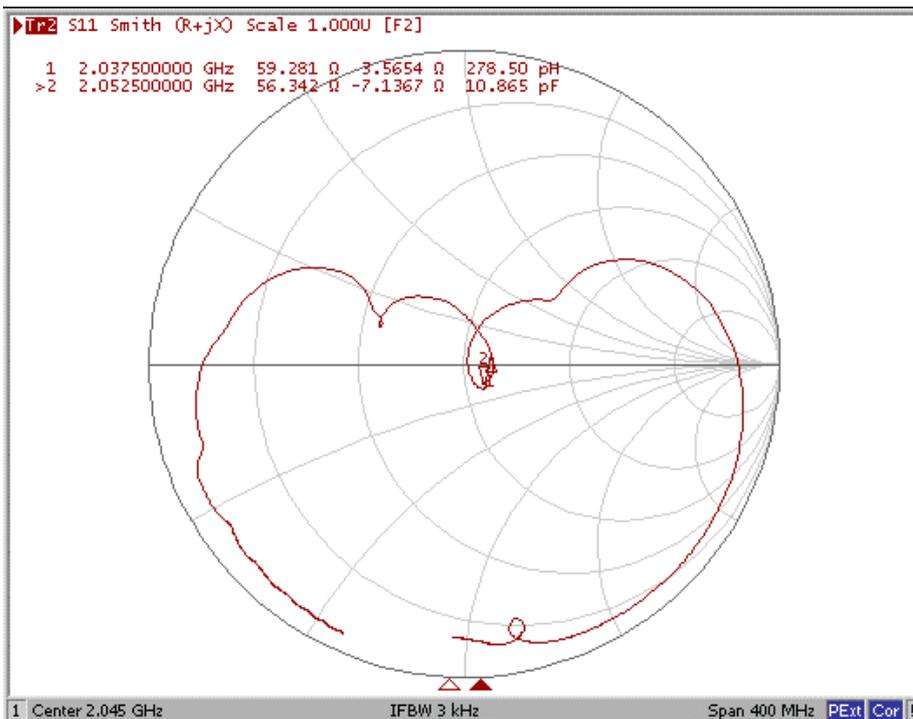
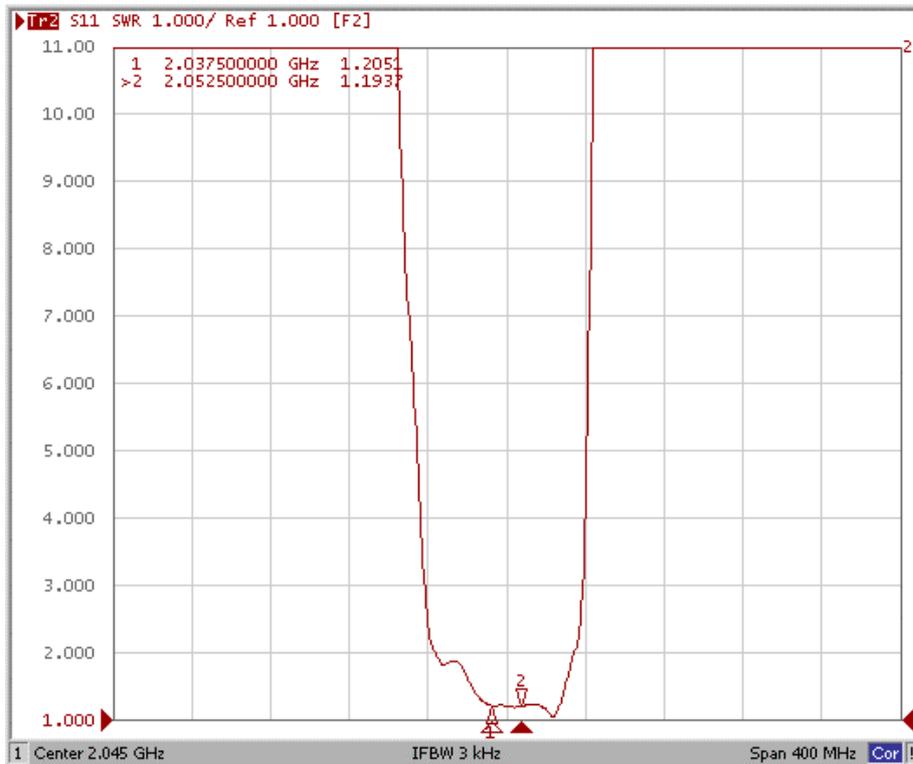


## F. Frequency Characteristics :

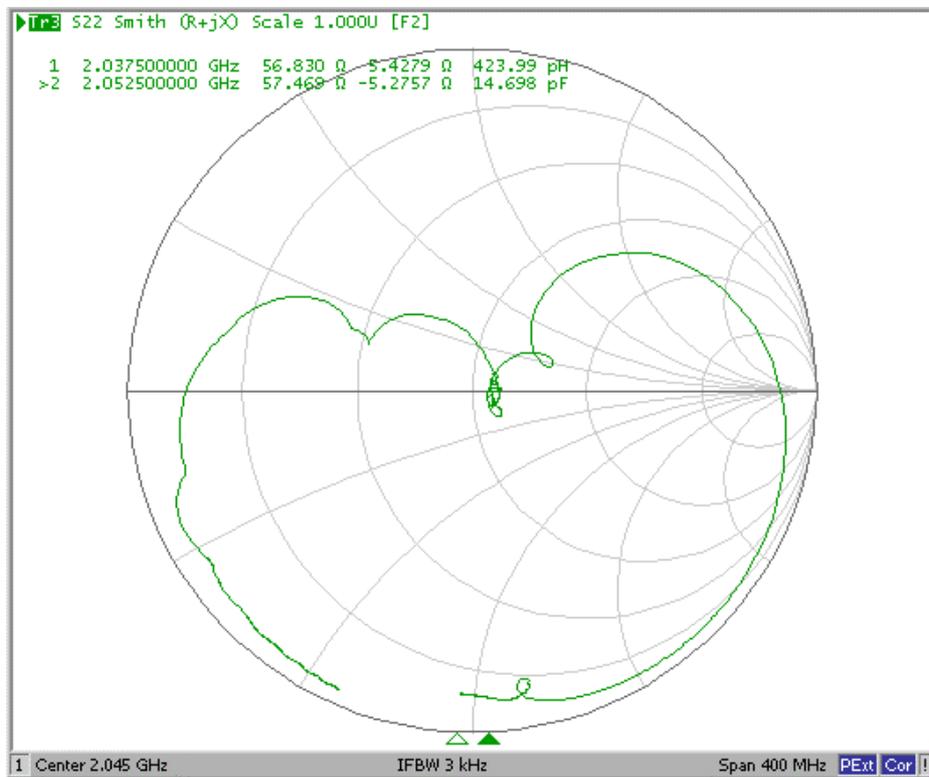
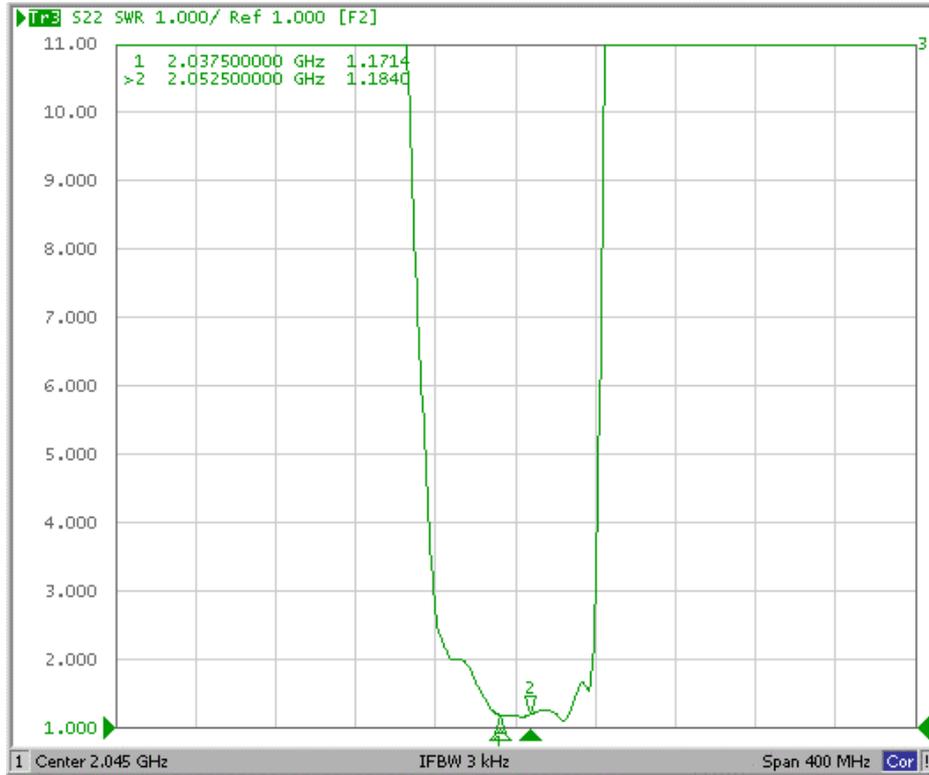


Reflection Functions :

S11



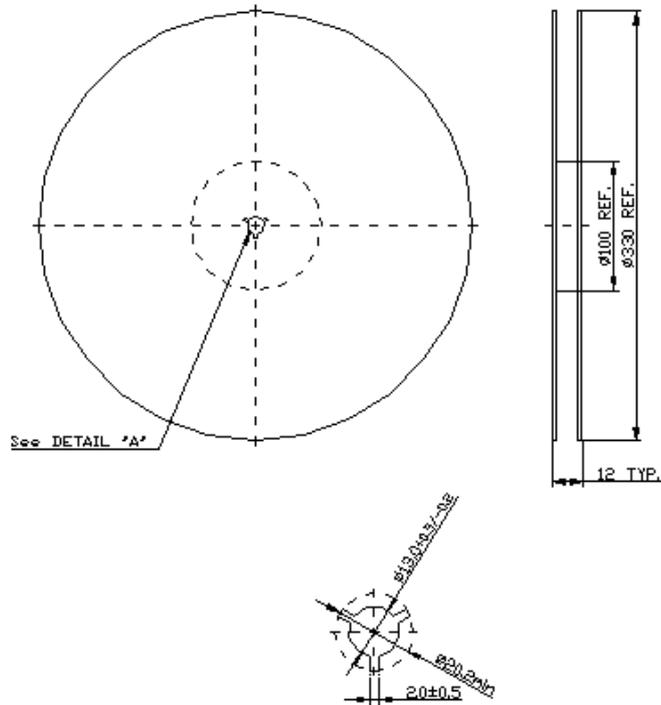
# S22



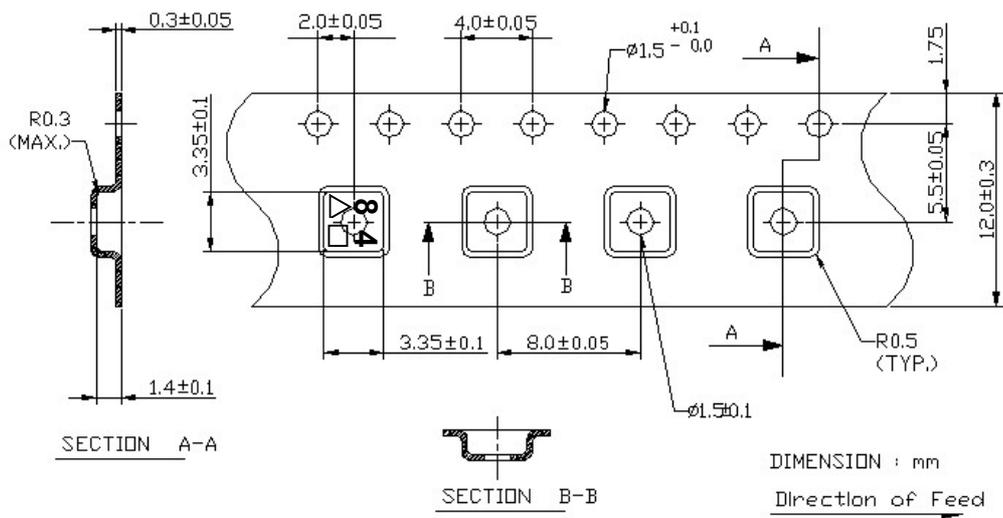
**G. PACKING:**

**1. REEL DIMENSION**

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



**2. TAPE DIMENSION**



**H. RECOMMENDED REFLOW PROFILE :**

