



# TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,  
Taoyuan, 324, Taiwan, R.O.C.  
TEL: 886-3-4690038 FAX: 886-3-4697532  
E-mail: [tstsales@mail.taisaw.com](mailto:tstsales@mail.taisaw.com) Web: [www.taisaw.com](http://www.taisaw.com)

## Approval Sheet For Product Specification

Issued Date: Apr, 17, 2009

Product Name: SAW Filter 1200 MHz SMD 3.0x3.0 mm

TST Parts No.:TA0582A

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

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

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

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

Date: \_\_\_\_\_ 4, 17, 2009



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## SAW Filter 1200MHz

MODEL NO.:TA0582A

REV. NO.:2

### A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -55°C to +85°C
4. Storage Temperature: -55°C to +95°C

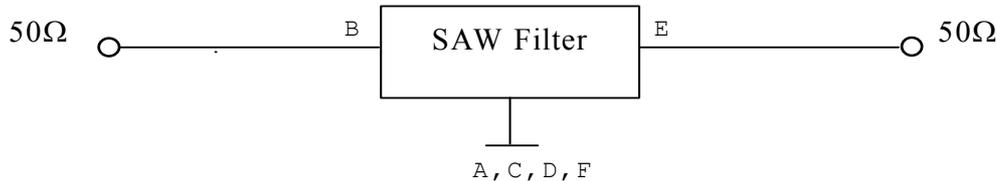
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

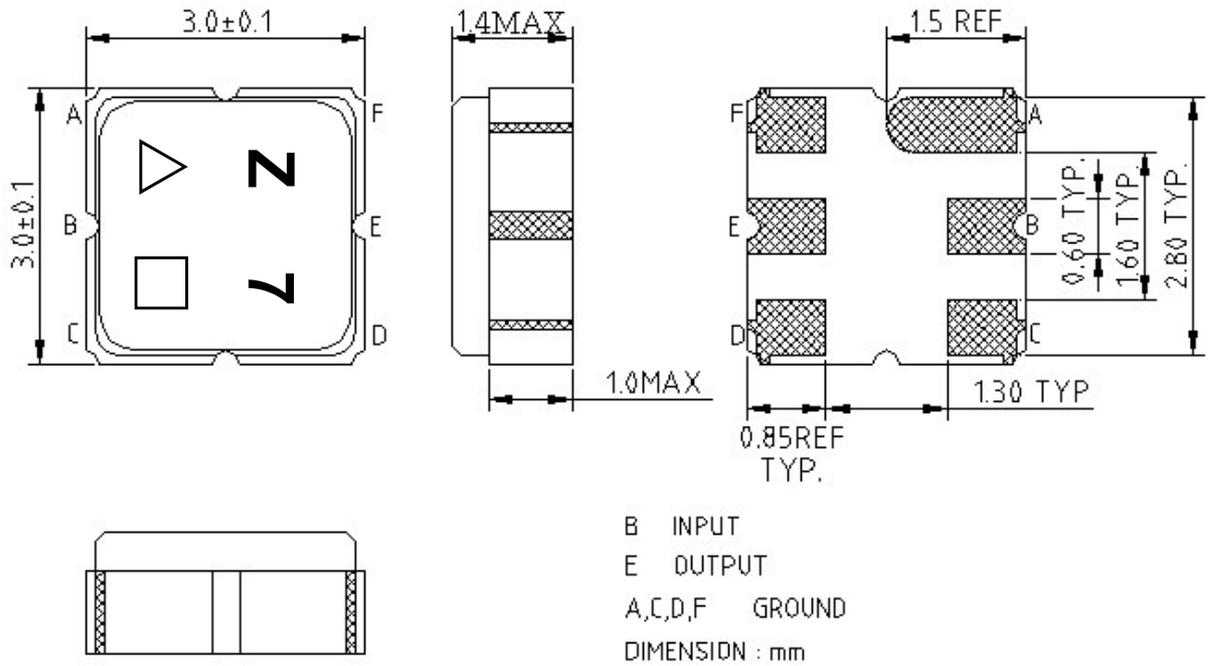
Item	Unit	Min.	Type.	Max.	Note
Center Frequency <b>Fc</b>	MHz	-	1200	-	-
Insertion Loss (1180 ~ 1220 MHz) <b>IL</b>	dB	-	2.8	4	-
2 dB bandwidth <b>BW<sub>2</sub></b>	MHz	38	52	-	-
<b>Relative Attenuation</b> (relative to 0 dB)					
<b>Fc-120</b> MHz	dB	35	60	-	-
1100 MHz	dB	45	60	-	-
1300 MHz	dB	40	48	-	-
<b>Fc+120</b> MHz	dB	35	52	-	-

### C. MEASUREMENT CIRCUIT:

HP Network analyzer

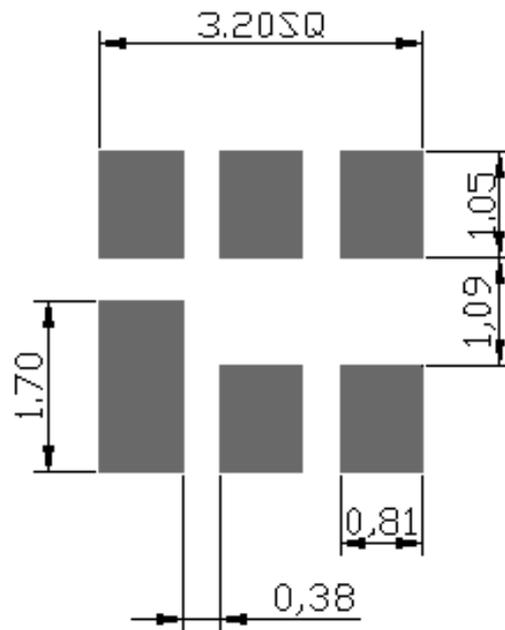


**D.OUTLINE DRAWING:**

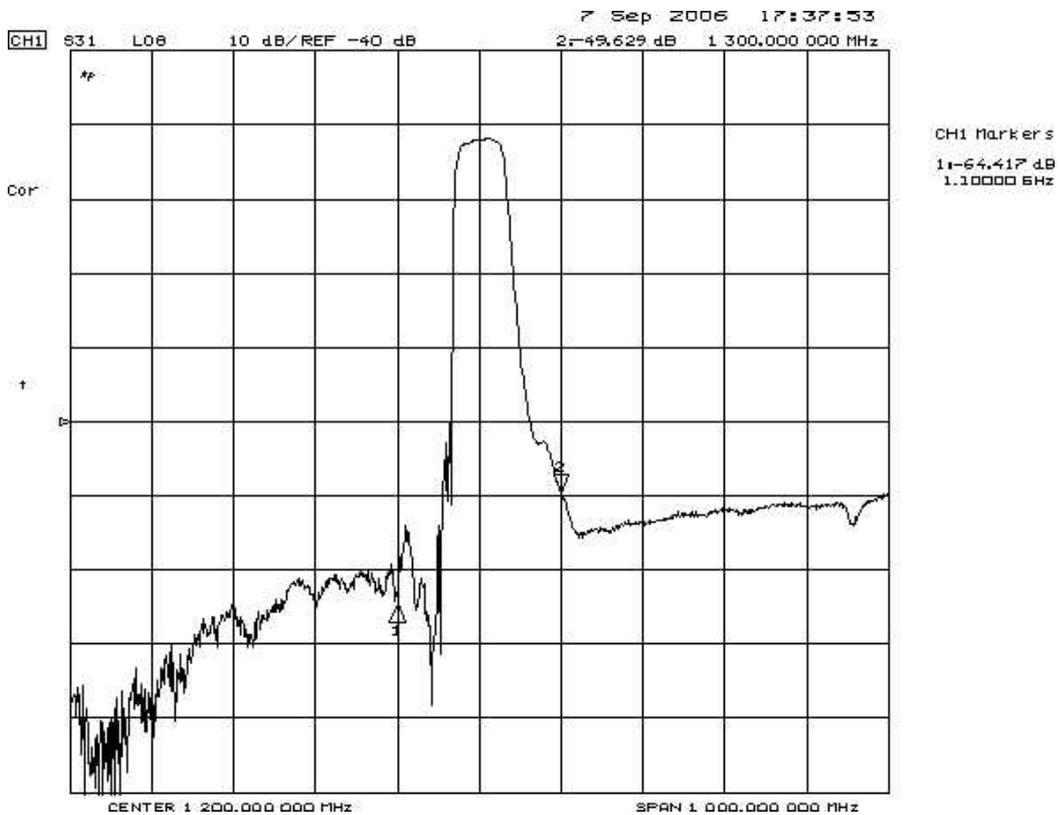
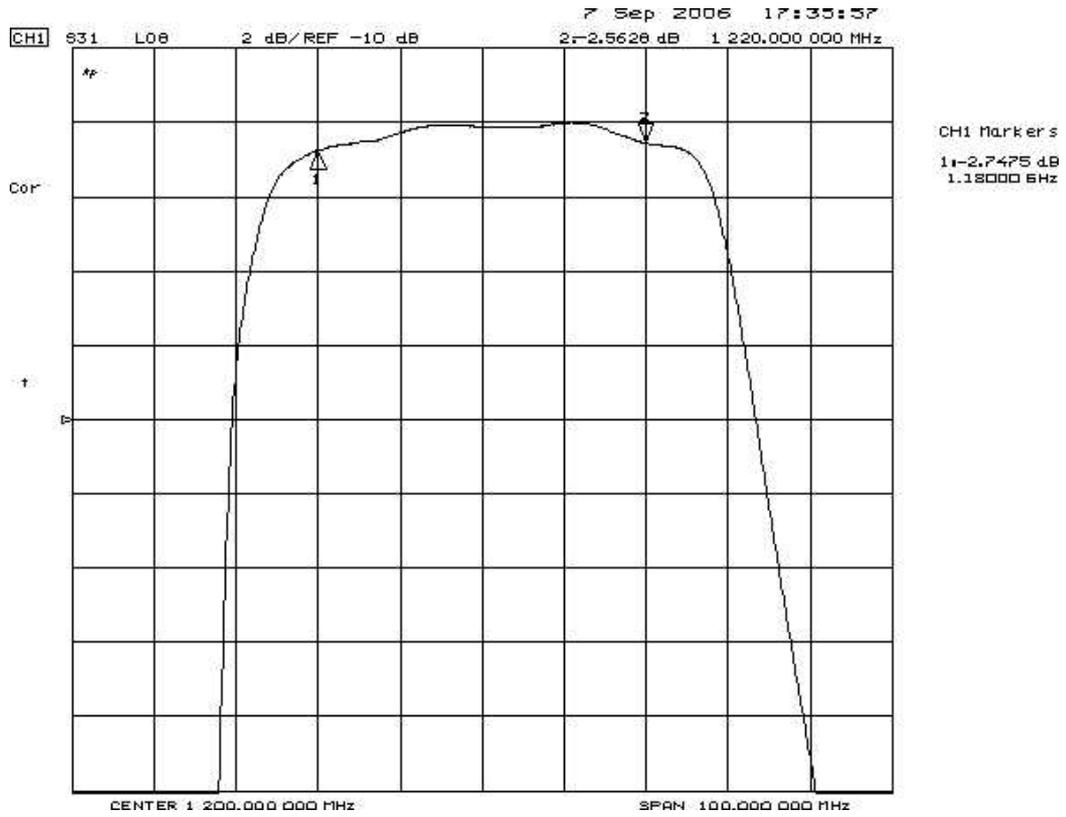


- △ : Year Code (2006->6, ..., 2009->9)
- : Date Code (W01->A, ..., W26->Z, W27->a, ..., W52->z)

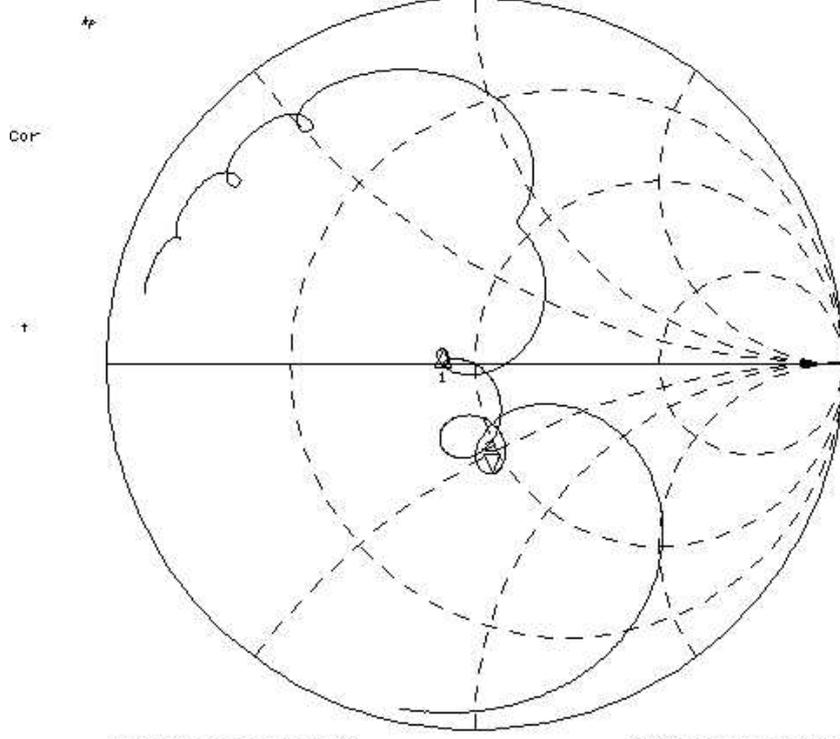
**E. PCB Footprint:**



## F. Frequency Characteristics :

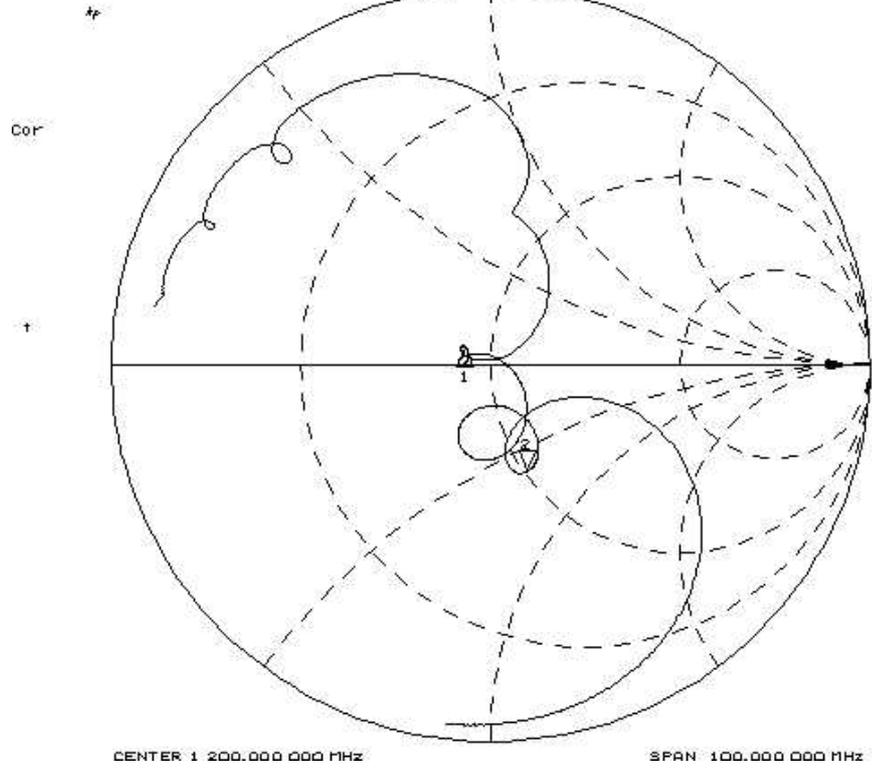


7 Sep 2006 17:36:06  
 [CH1] S11 1 U FS 2:45.498  $\alpha$  -30.121  $\alpha$  4.3310 pF 1 220.000 000 MHz



CH1 Markers  
 1: 41.945  $\alpha$   
 3.3496  $\alpha$   
 1.18000 GHz

7 Sep 2006 17:36:12  
 [CH1] S33 1 U FS 2:50.922  $\alpha$  -31.629  $\alpha$  4.1245 pF 1 220.000 000 MHz

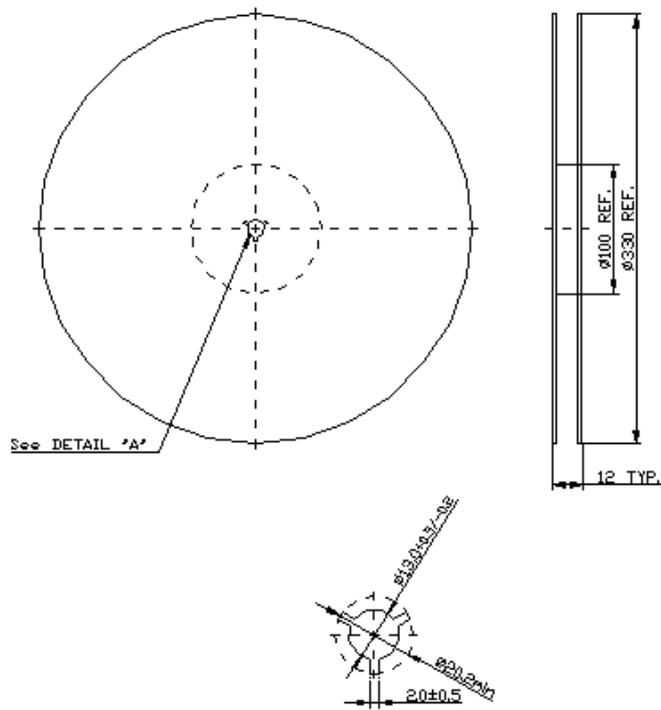


CH1 Markers  
 1: 43.506  $\alpha$   
 4.0215  $\alpha$   
 1.18000 GHz

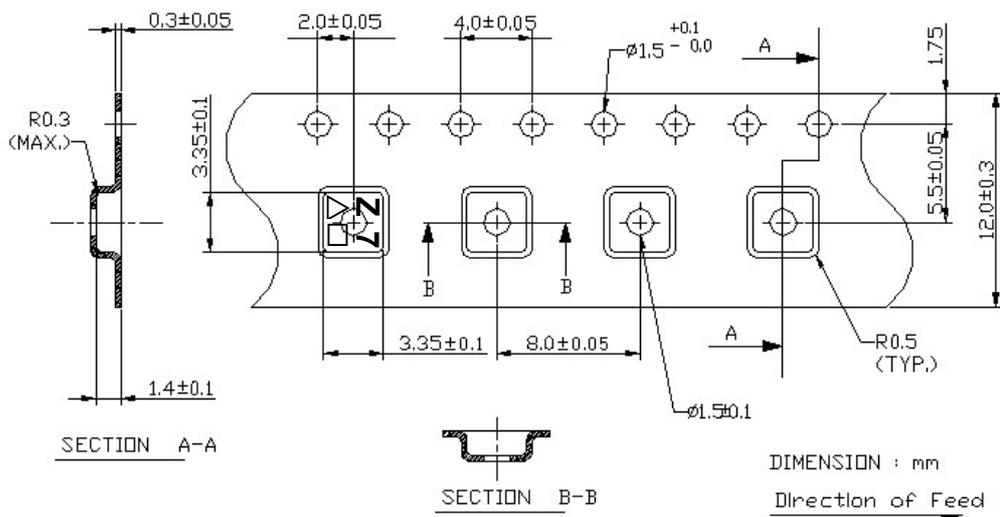
**G. PACKING:**

**1. REEL DIMENSION**

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



**2. TAPE DIMENSION**



**H. RECOMMENDED REFLOW PROFILE :**

