



# 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: Feb, 14, 2008

Product Name: SAW Filter 1280.18 MHz SMD 3.0X3.0 mm

TST Parts No.: TA0726A

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

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

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

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

Date: \_\_\_\_\_ 2, 14, 2008



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## SAW Filter 1280.18 MHz

MODEL NO.:TA0726A

REV. NO.:2

### A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -50°C to +95°C

RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance (differential) :  $Z_s = 150 \Omega // 27 \text{ nH}$

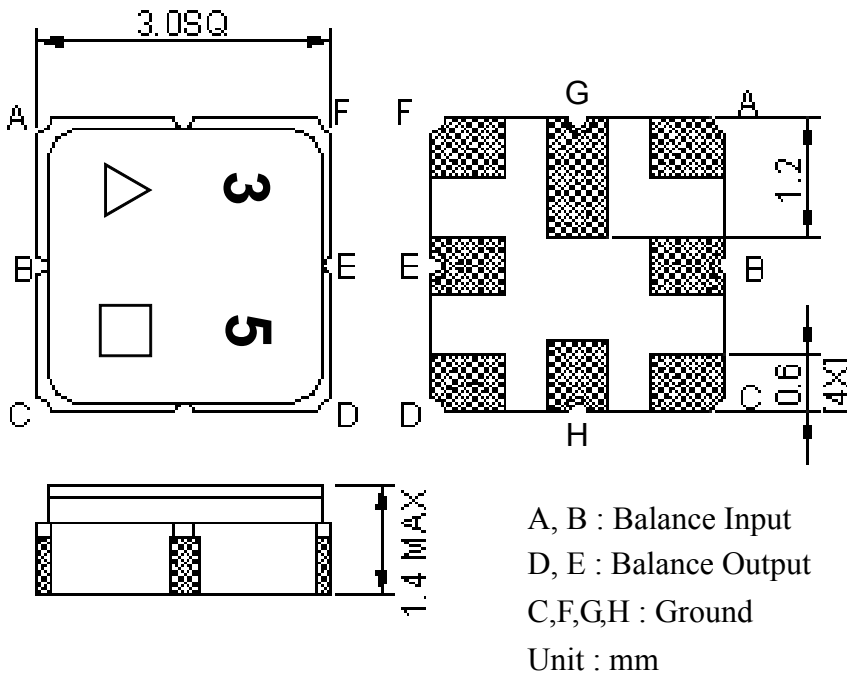
Terminating load impedance (differential) :  $Z_L = 150 \Omega // 27 \text{ nH}$

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency <b>Fc</b>	MHz	-	1280.18	-	-
Bandwidth at -2 dB	MHz	40	56	-	-
Insertion Loss in 1260.18~1300.18 MHz	dB	-	2.1	5	-
Amplitude ripple (1260.18 MHz ~ 1300.18 MHz)	dB	-	0.8	2	-
Phase error (1260.18 MHz ~ 1300.18 MHz) (3)	deg	-	5.2	6.5	-
Group Delay ripple(1260.18 MHz ~ 1300.18 MHz)	ns	-	13	25	-
I/O VSWR (1260.18 MHz ~ 1300.18 MHz)		-	2	2.5	-
<b>Attenuation (1)</b>					
50 ~ 1198.12 MHz	dB	44	50	-	-
1362.24 ~ 2000 MHz	dB	46	55	-	-
2000 ~ 4250 MHz	dB	35	38	-	-
4250 ~ 6000 MHz	dB	30	38	-	-

#### Notes :

- (1) The amplitude reference is insertion loss at Fc.
- (2) The amplitude ripple is defined as the max. level – min. level over any 30 MHz block of the given bandwidth.
- (3) The phase error is measured over any 30 MHz block of the given bandwidth.

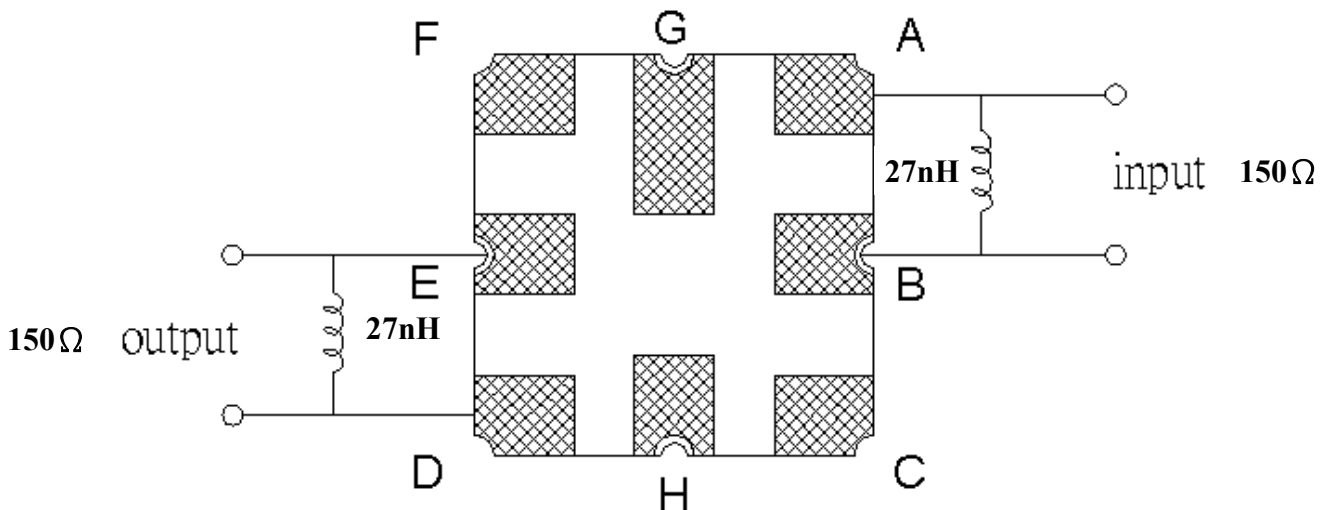
**C.OUTLINE DRAWING:**



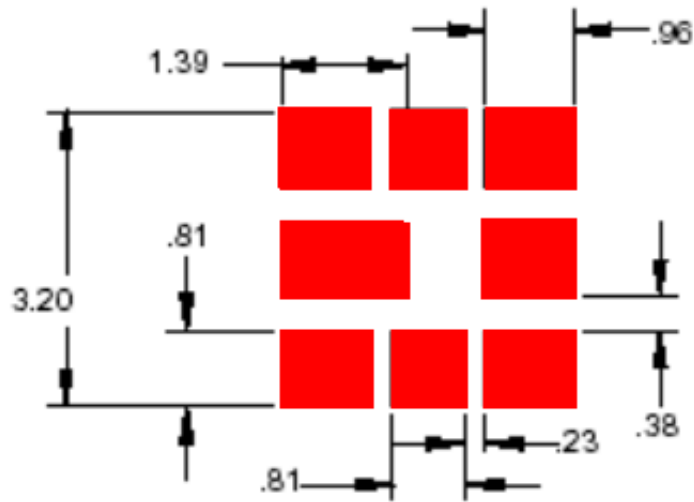
△ : Year Code (2006->6, ..., 2009->9)

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

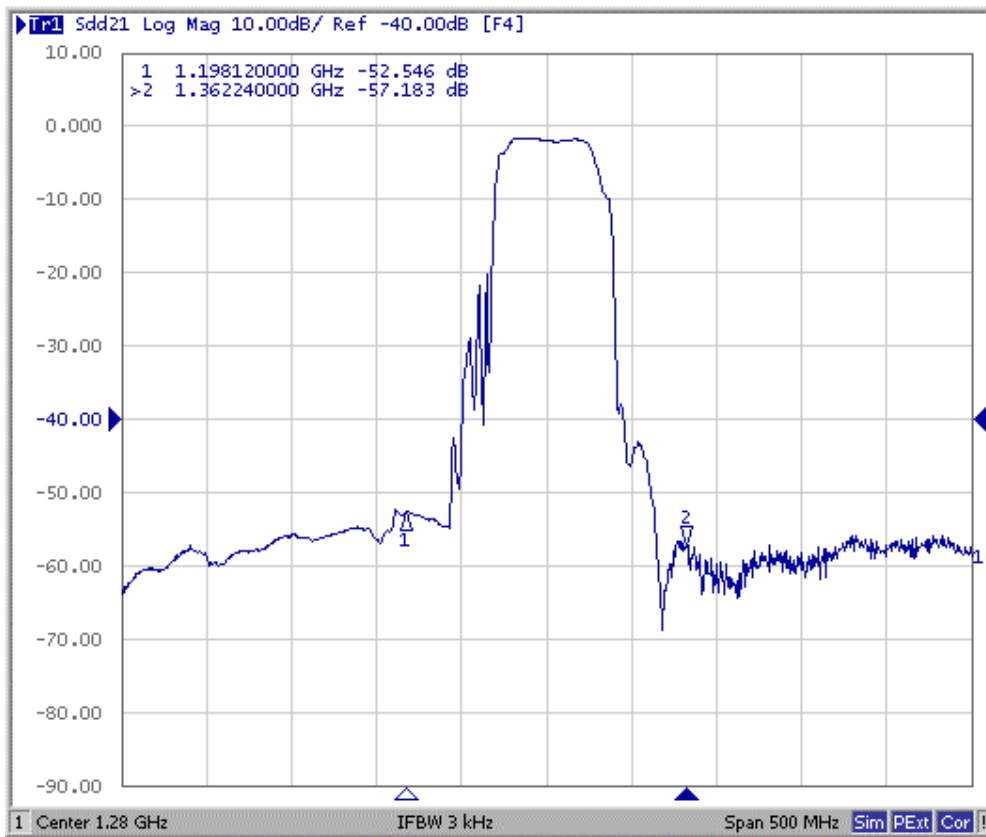
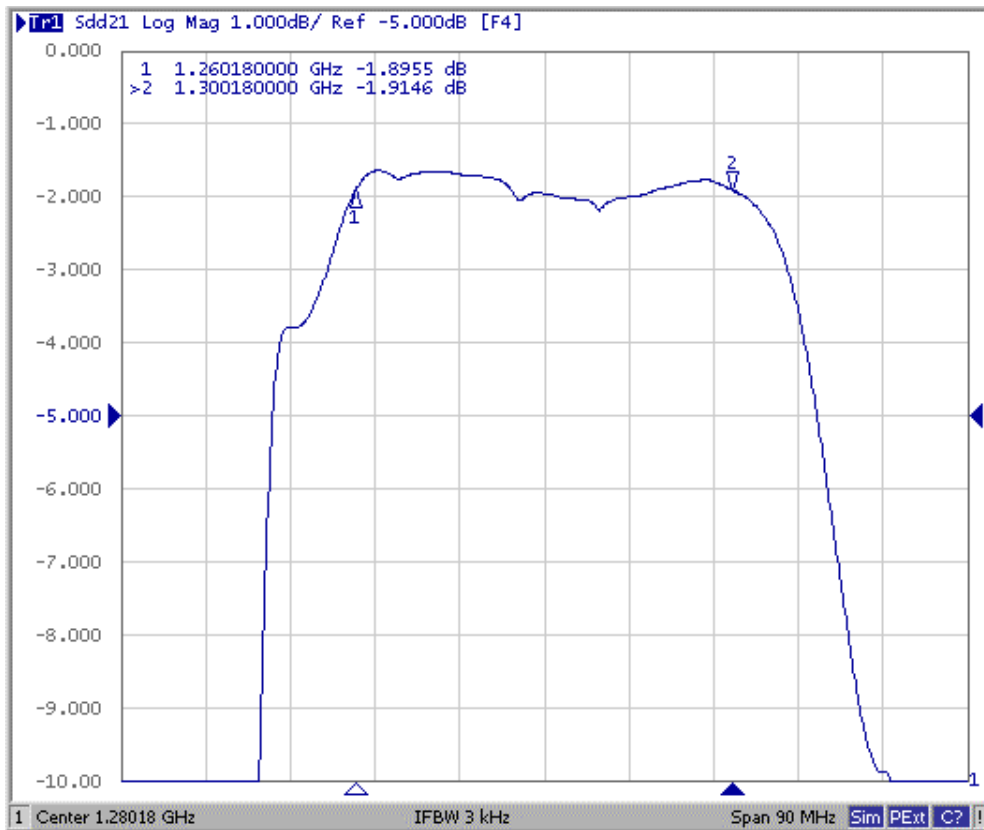
**D. MEASUREMENT CIRCUIT:**

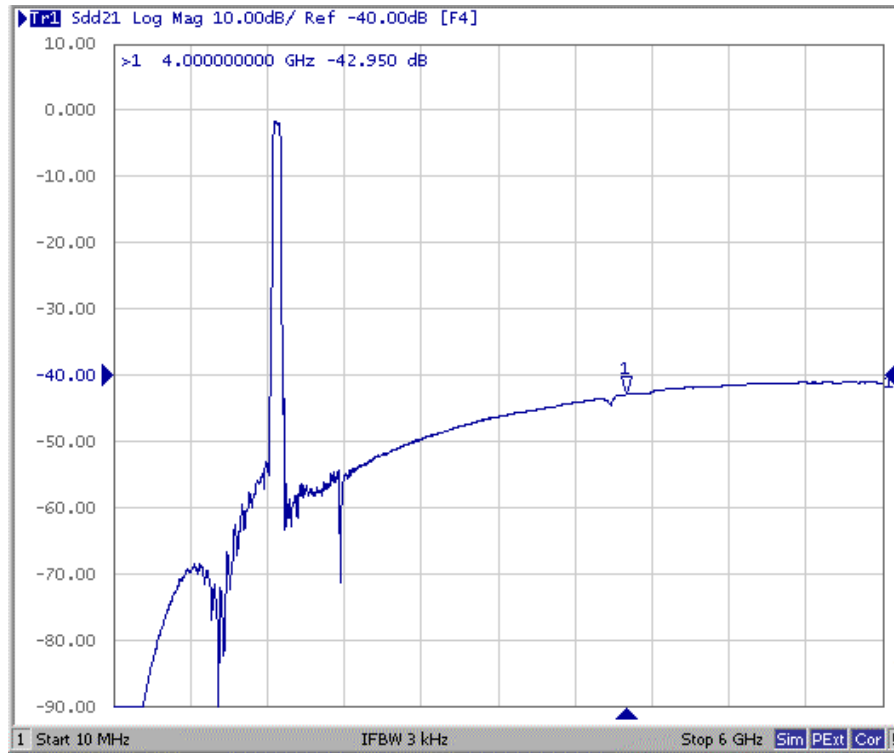


E. PCB Footprint:



## F. Frequency Characteristics :

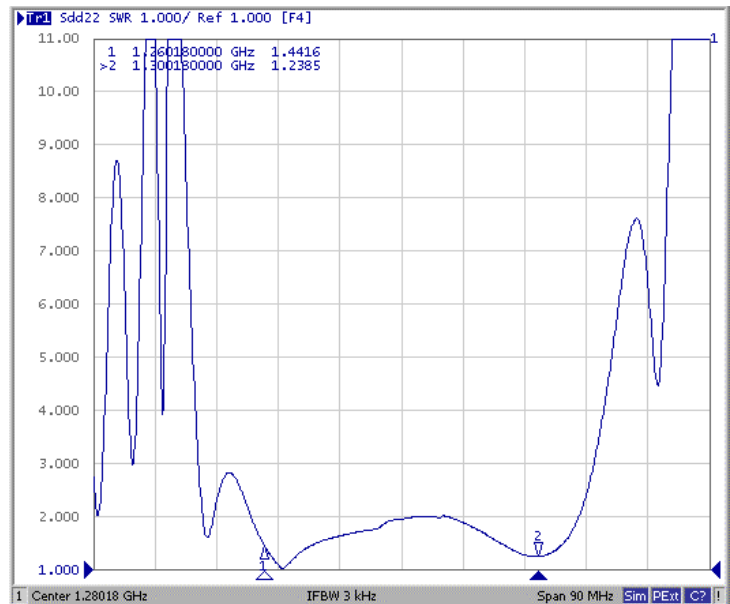
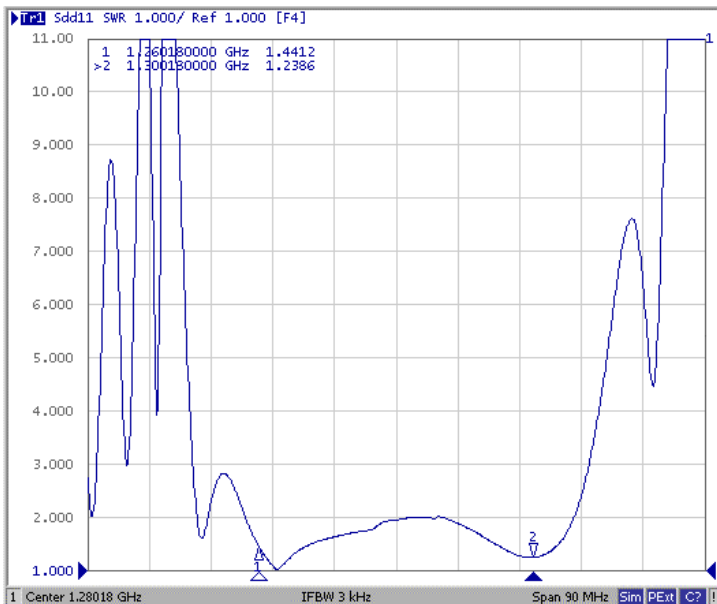




**Reflection Functions :**

S11

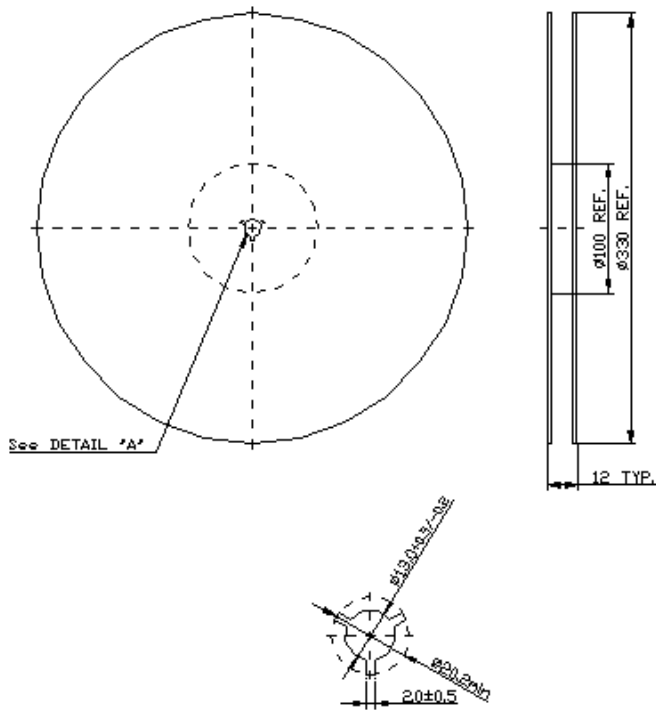
S22



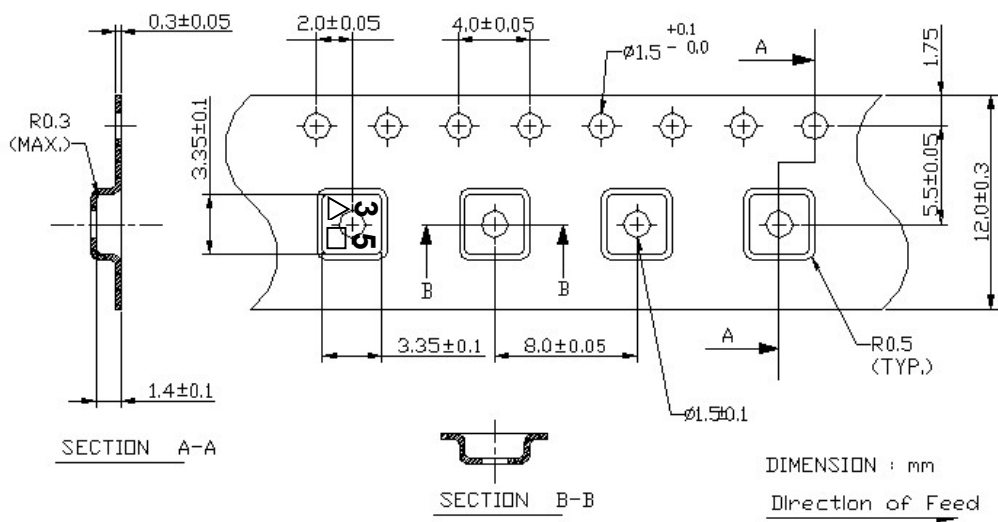
**G. PACKING:**

**1. REEL DIMENSION**

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



**2. TAPE DIMENSION**



**H. RECOMMENDED REFLOW PROFILE :**

