



# 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: Apr, 9, 2008

Product Name: SAW Filter 1300 MHz SMD 3.0x3.0 mm

TST Parts No.:TA0840A

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

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

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

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

Date: \_\_\_\_\_ 4, 9, 2008



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## SAW Filter 1300 MHz

MODEL NO.:TA0840A

REV. NO.:1

### A. MAXIMUM RATING:

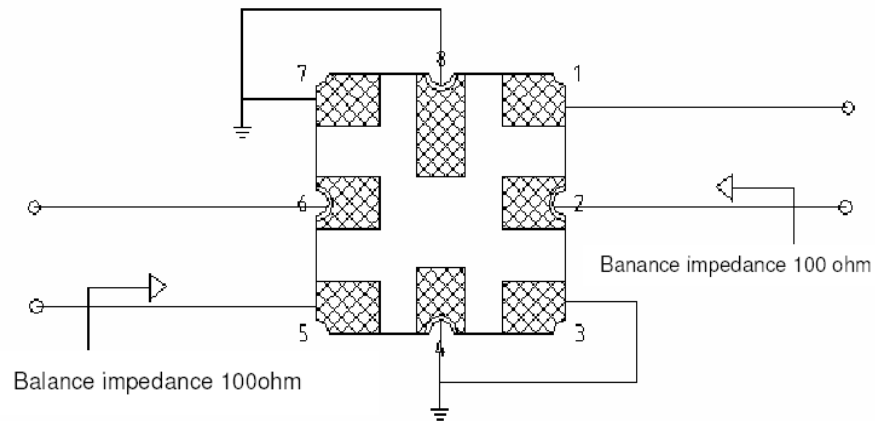
1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -25°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant  
Lead free  
Lead-free soldering

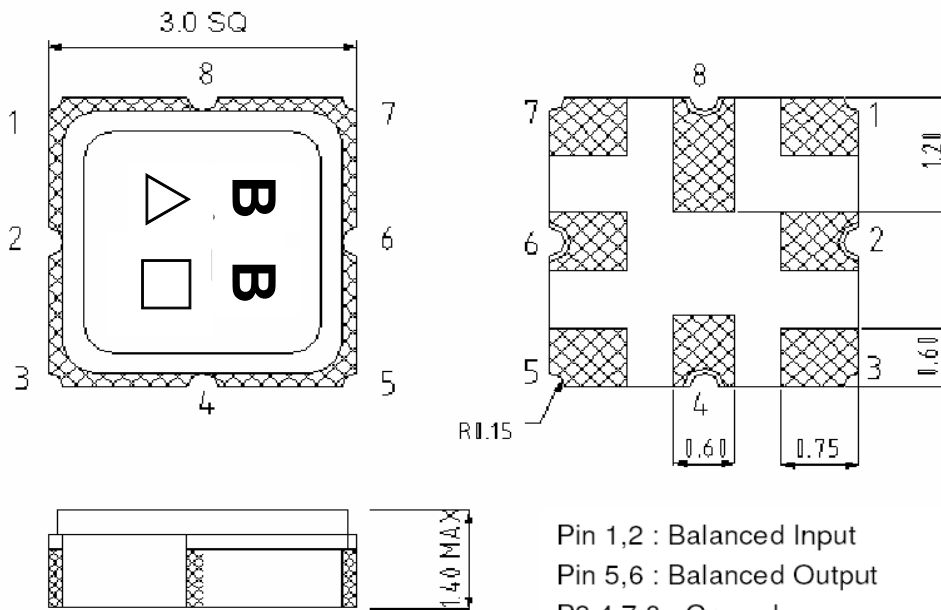
### B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
<b>Center frequency</b> <b>Fc</b>	MHz	-	1300	
<b>Insertion loss</b> (1296~1304 MHz) <b>IL</b>	dB	-	2.9	4.5
<b>Absolute Group delay at 1300 MHz</b>	ns	-	33	60
<b>Group delay variation</b> (1296~1304 MHz)	ns	-	4	15
<b>Phase variation</b> (1296~1304 MHz)	Deg	-	2.2	25
<b>Amplitude ripple</b> (1296~1304 MHz)	dB	-	0.3	1.5
<b>Attenuation (Referent to IL)</b>				
Fc - 30 MHz	dB	10	31	-
Fc + 30 MHz	dB	10	26	-
Fc - 60 MHz	dB	30	57	-
Fc + 60 MHz	dB	30	39	-
Fc - 140 MHz	dB	35	47	-
Fc + 140 MHz	dB	35	42	-
Fc - 250 MHz	dB	35	44	-
Fc + 250 MHz	dB	35	43	-
Source impedance Zs	Ω	100		
Load impedance Zl	Ω	100		

**C. MEASUREMENT CIRCUIT :**

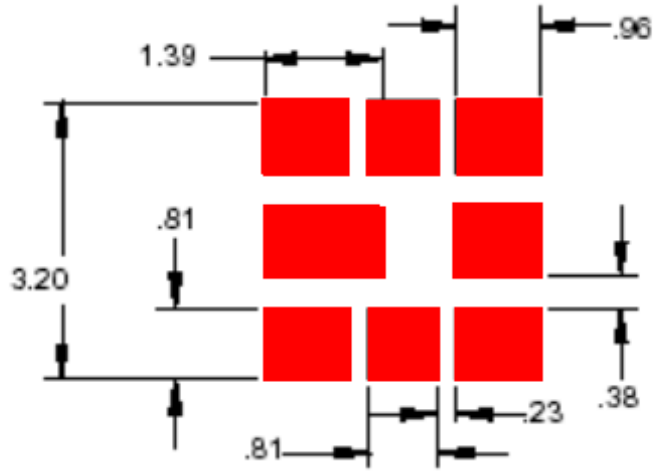


**D. OUTLINE DRAWING :**

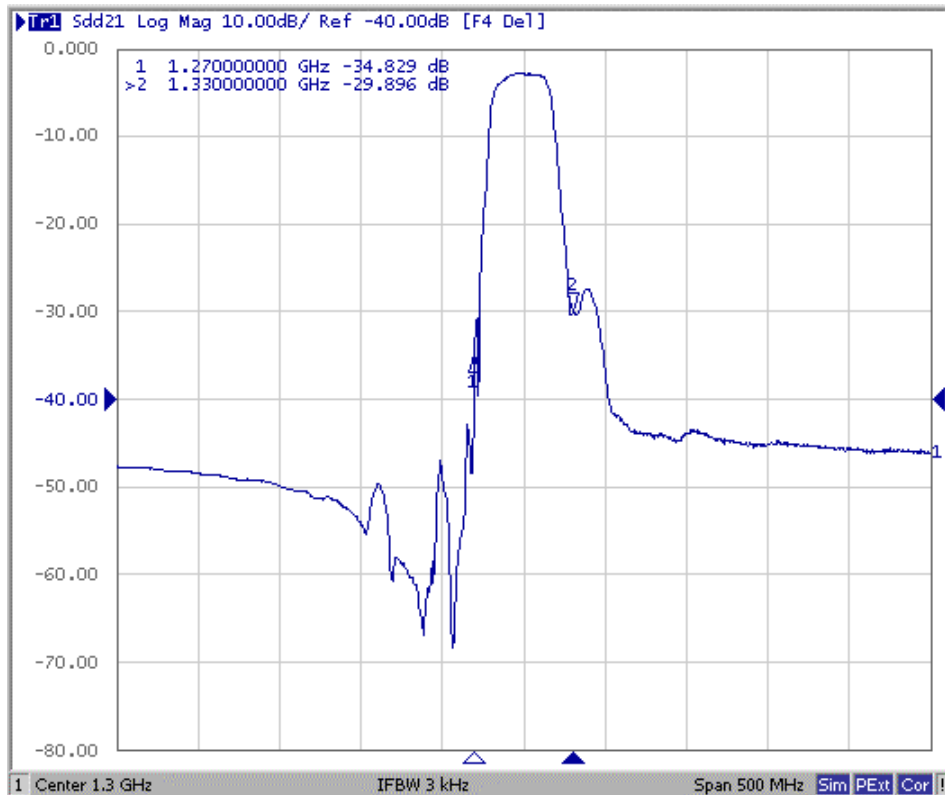
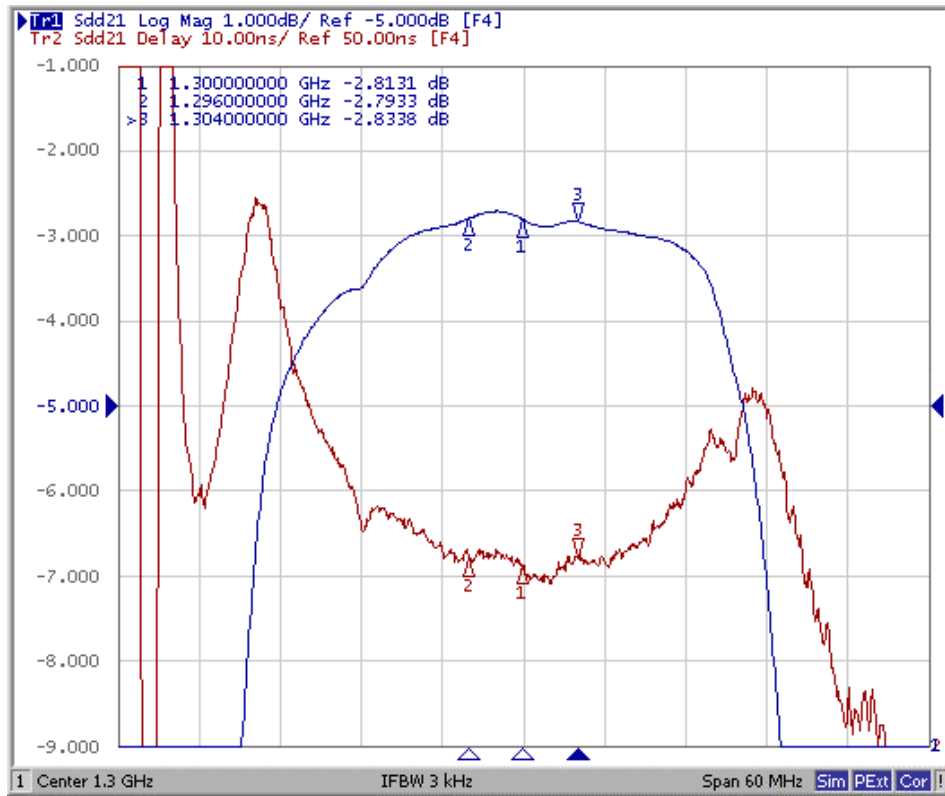


Pin 1,2 : Balanced Input  
 Pin 5,6 : Balanced Output  
 P3,4,7,8 : Ground  
 ◇ : Year Code  
 □ : Date Code  
 Unit : mm

E. PCB Footprint:

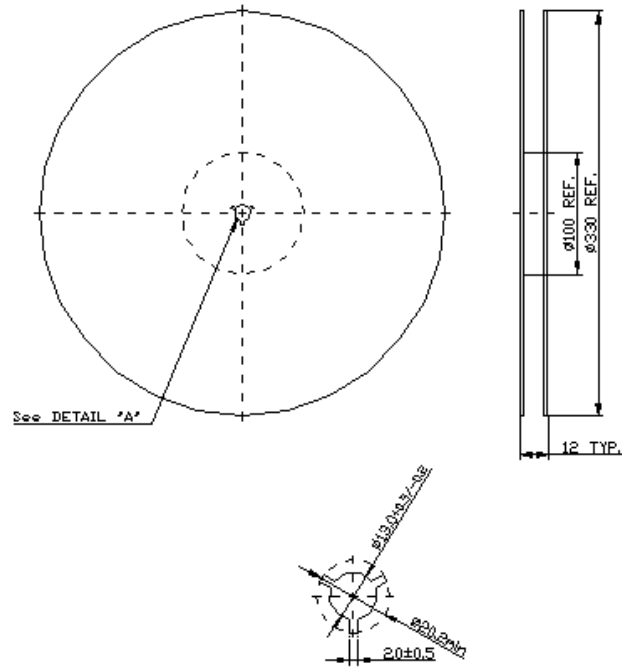


## F. Frequency Characteristics :

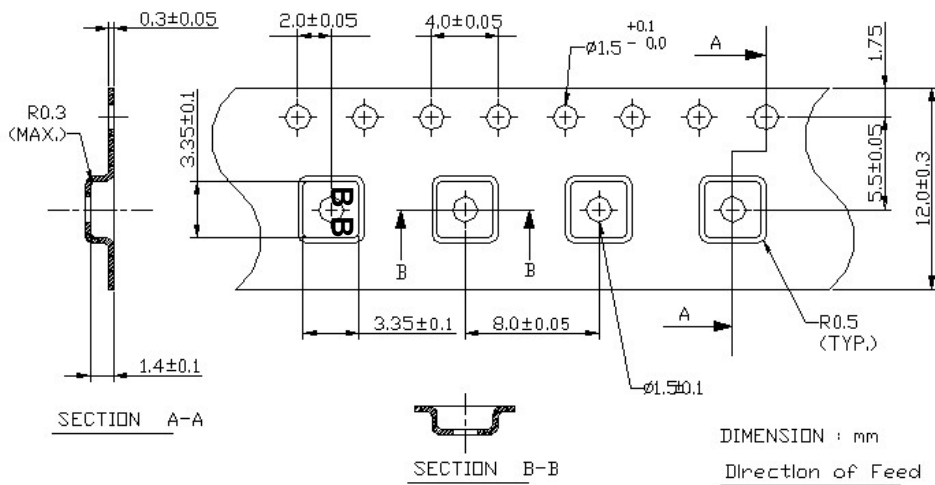


## G. PACKING:

### 1. REEL DIMENSION



### 2. TAPE DIMENSION



## H. RECOMMENDED REFLOW PROFILE :

