



# TAI-SAW TECHNOLOGY CO., LTD.

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## Approval Sheet For Product Specification

Issued Date: Feb, 12, 2009

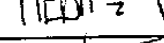
Product Name: SAW Filter 1120 MHz SMD 3.0X3.0 mm

TST Parts No.: TA0974A

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

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

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

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

Date: \_\_\_\_\_ 2, 12, 2009



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## SAW Filter 1120 MHz

MODEL NO.:TA0974A

REV. NO.:1

### A. MAXIMUM RATING:

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

RoHS Compliant  
Lead free  
Lead-free soldering

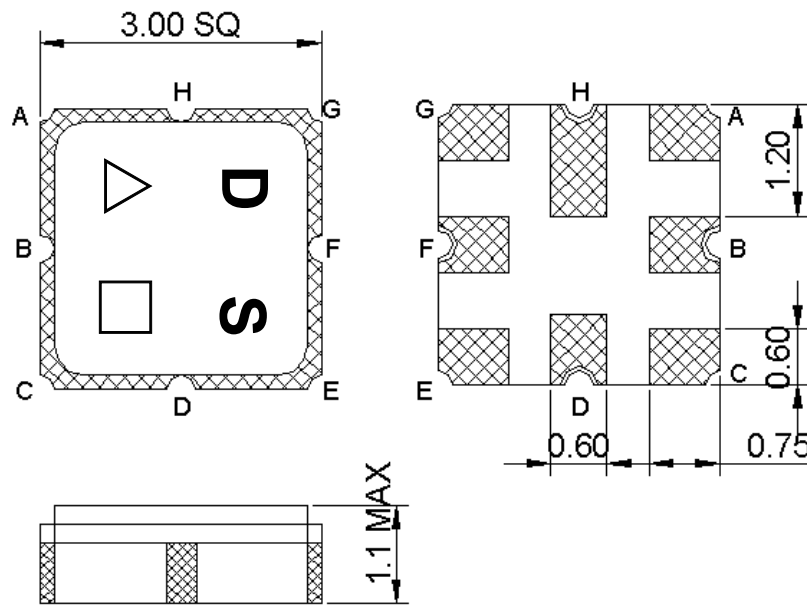
### B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance (balanced) :  $Z_s = 200 \ \Omega$

Terminating load impedance (balanced) :  $Z_L = 200 \ \Omega$

Item	Unit	Min.	Typ.	Max.	Note
<b>Center Frequency</b> <b>Fc</b>	MHz	-	1120	-	-
<b>Insertion Loss ( Fc±4 MHz )</b> <b>IL</b>	dB	-	2.8	5	-
<b>Amplitude ripple ( Fc±4 MHz )</b>	dB	-	0.5	1.5	-
<b>Bandwidth</b> <b>BW-3dB</b>	MHz	19	21	-	-
<b>Attenuation</b> (Reference level from 0dB)					
500 ~ <b>Fc</b> -85 MHz	dB	50	62	-	-
<b>Fc</b> -76 ~ <b>Fc</b> -68 MHz	dB	50	61	-	-
<b>Fc</b> -44 MHz	dB	50	59	-	-
<b>Fc</b> -36 MHz	dB	48	54	-	-
<b>Fc</b> +70 ~ 2000 MHz	dB	50	57	-	-

### C.OUTLINE DRAWING:



A, B : Balanced Input

E, F : Balanced Output

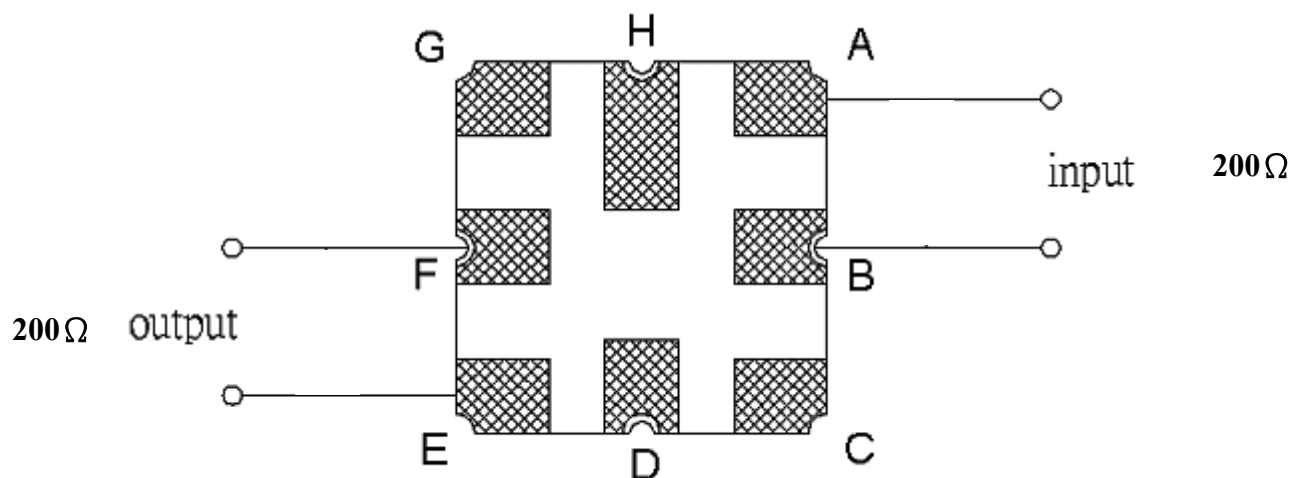
C,D,G,H : Ground

△ : Year code (2005->5, 2006->6, ...)

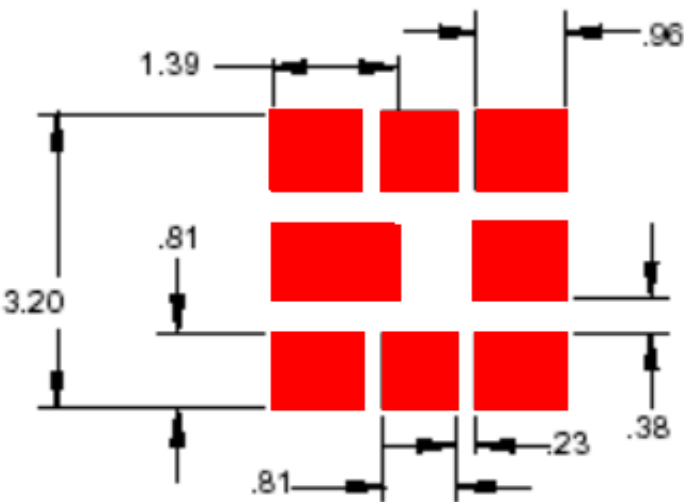
□ : Date Code (W01->A,W02->B,...W27->a,...,W52->z)

Unit : mm

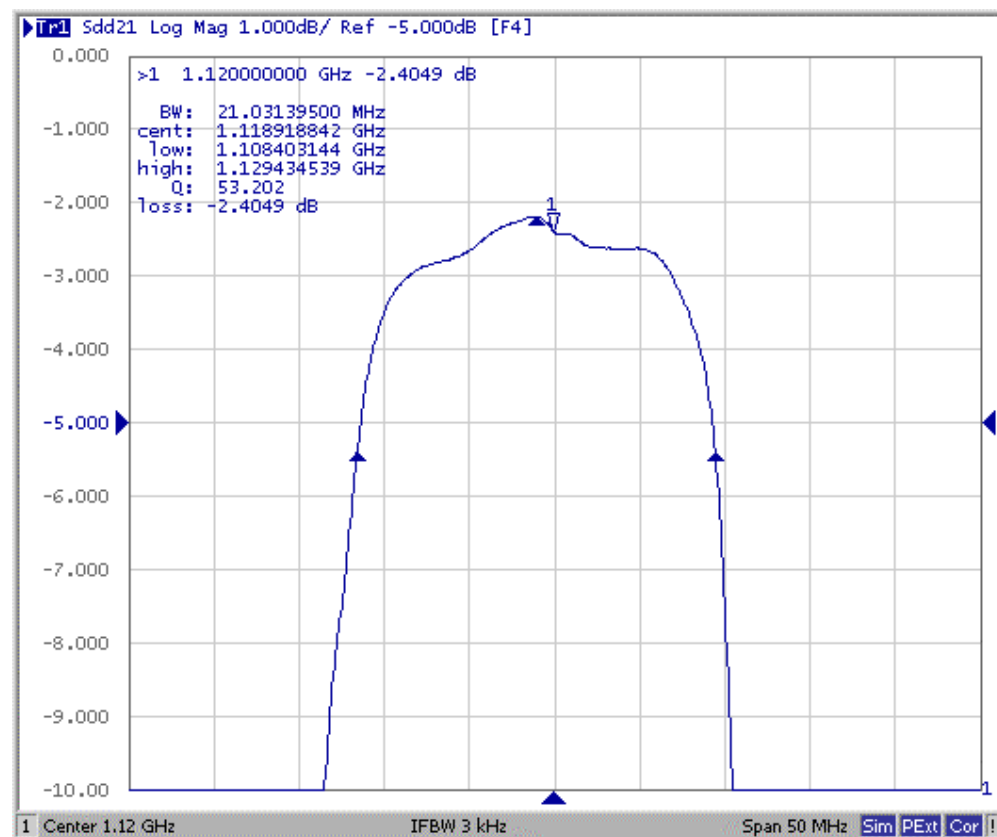
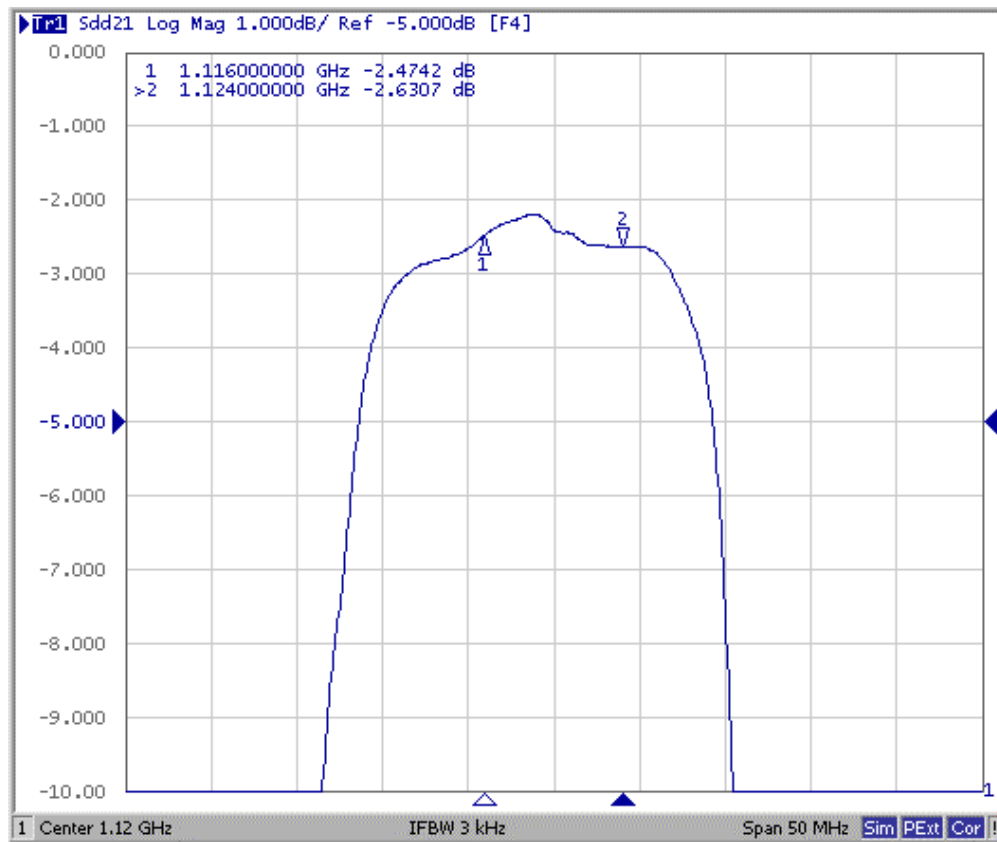
### D. MEASUREMENT CIRCUIT:

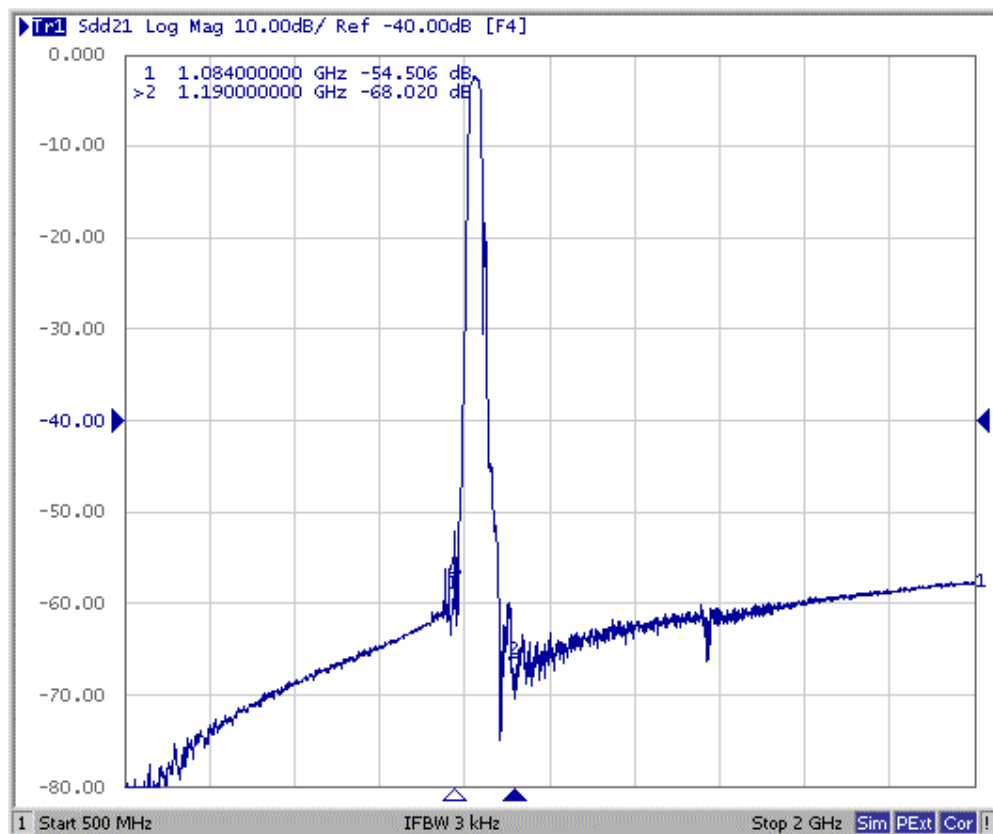


E. PCB Footprint:



## F. Frequency Characteristics :

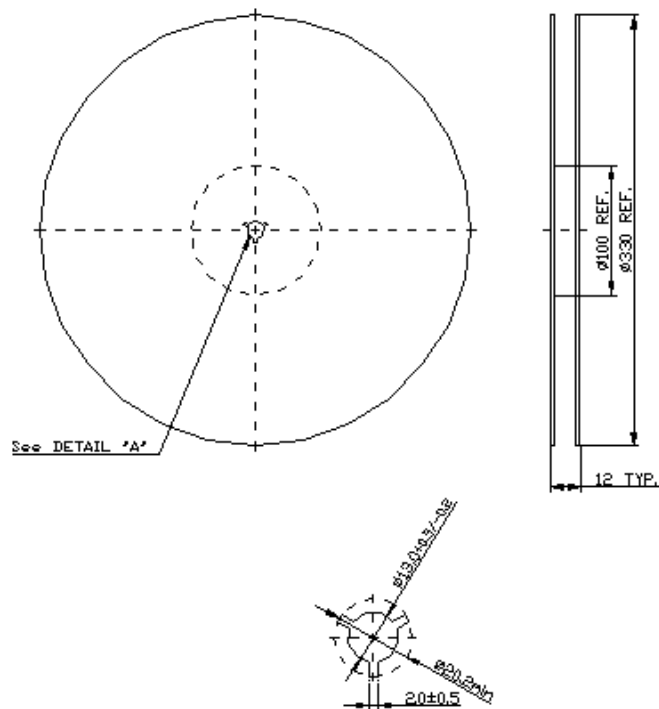




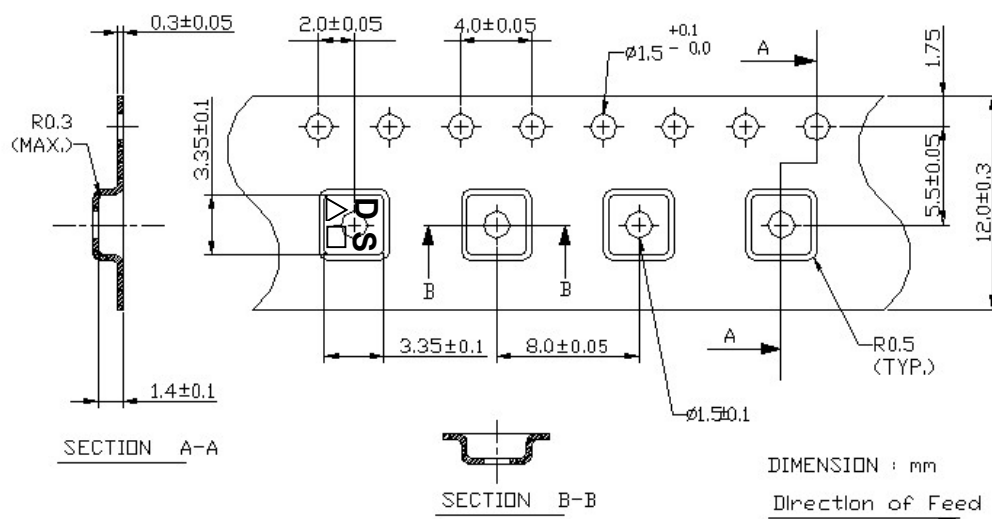
## G. PACKING:

### 1. REEL DIMENSION

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



### 2.TAPE DIMENSION



**H. RECOMMENDED REFLOW PROFILE :**

