



# 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:

Product Name: SAW Filter 1220MHz SMD 3.0×3.0mm

TST Parts No.:TA0304A

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

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

Checked by: \_\_\_\_\_ Elvis Chiu

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

Date: \_\_\_\_\_ 2004/03/03



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## SAW Filter 1220 MHz

MODEL NO.: TA0304A

REV. No.:2

### A. MAXIMUM RATING:

1. Operating Temperature: -40°C to +85°C
2. Storage Temperature: -40°C to +85°C

RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

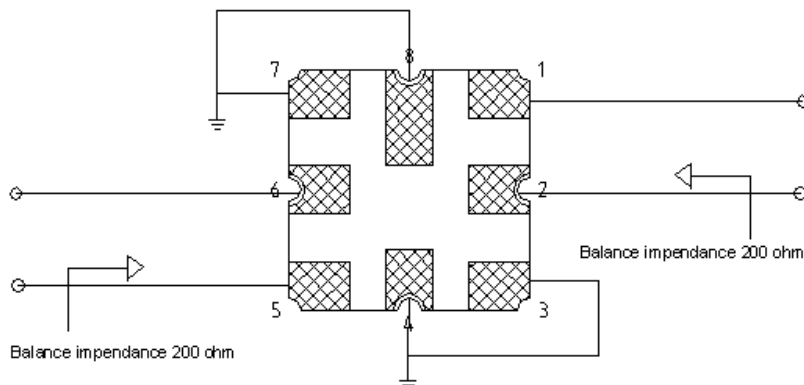
Balanced to balanced operation

Terminating source impedance:  $Z_S=200\Omega$

Terminating load impedance:  $Z_L=200\Omega$

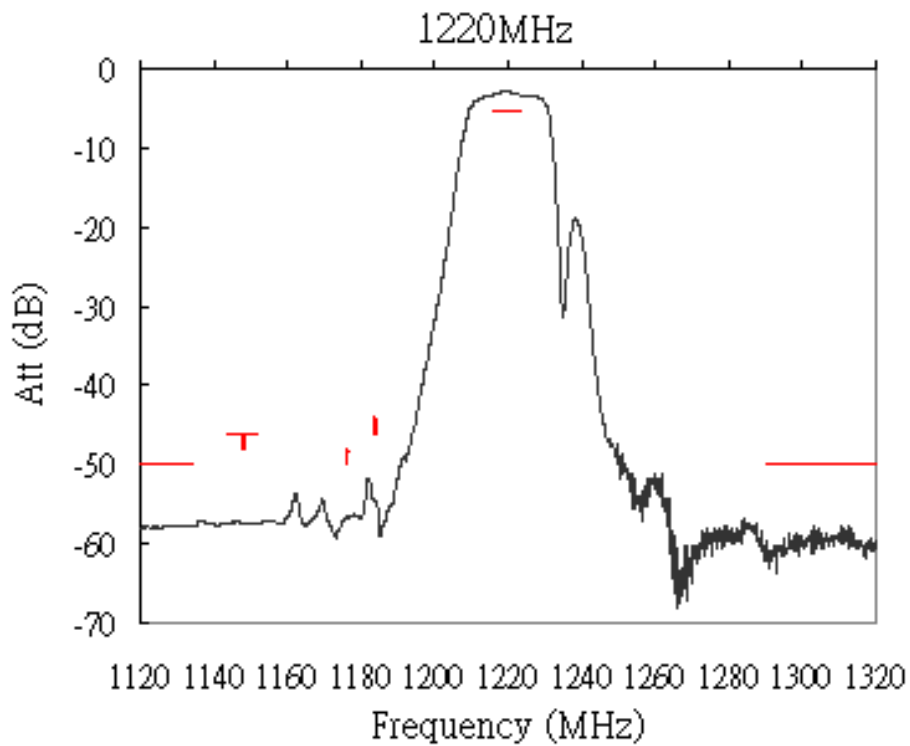
Characteristics		Value			Note
		Min.	Typ.	Max.	
Center frequency	$F_C$ MHz	-	1220	-	-
Insertion loss	1216~1224 MHz I.L. dB	-	3.4	5.3	-
Ripple	1216~1224MHz dB	-	0.6	1.8	-
Attenuation:( Reference level from 0 dB)					
1)	500.. $F_C$ -91MHz dB	50	57	-	-
2)	$F_C$ -91... $F_C$ -85 MHz dB	50	57	-	-
3)	$F_C$ -76... $F_C$ -68 MHz dB	46	57	-	-
5)	$F_C$ -88 MHz dB	50	57	-	-
6)	$F_C$ -72 MHz dB	48	57	-	-
7)	$F_C$ -44 MHz dB	50	56	-	-
8)	$F_C$ -36 MHz dB	46	55	-	-
9)	$F_C$ +70...2000 MHz dB	50	55	-	-
Group delay ripple(p-p) ( 1216~1224MHz) nS		-	12	-	

### C. MEASUREMENT CIRCUIT:

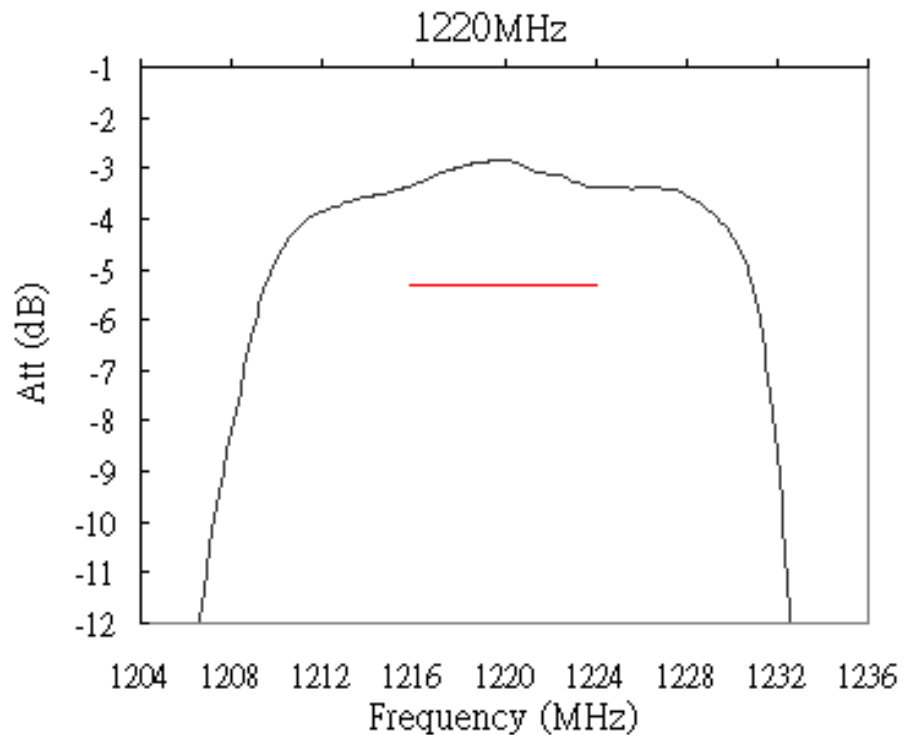


## D. Frequency Characteristics :

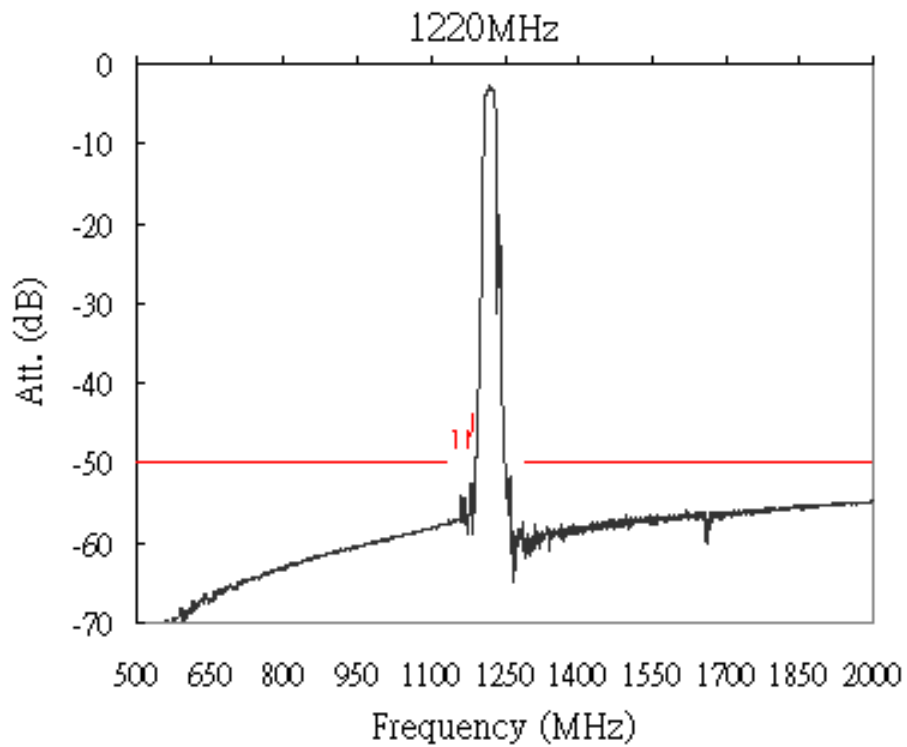
### 1. Sdd21 Response



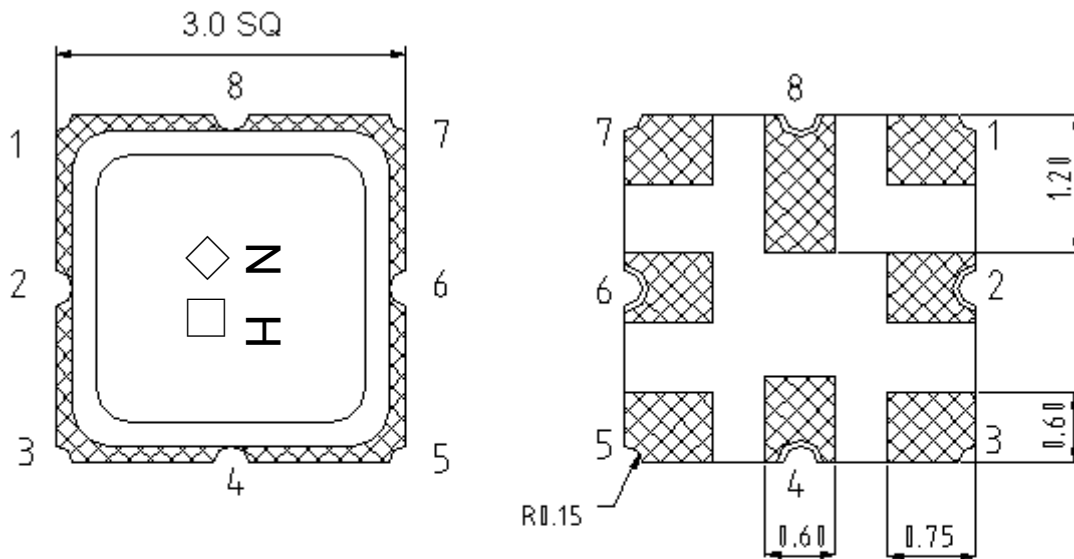
### 2. Sdd21 Response (Inband)



### 3. Sdd21 Response ( wideband)



### E.OUTLINE DRAWING:



Pin 1,2 : Balanced Input  
 Pin 5,6 : Balanced Output  
 P3,4,7,8 : Ground

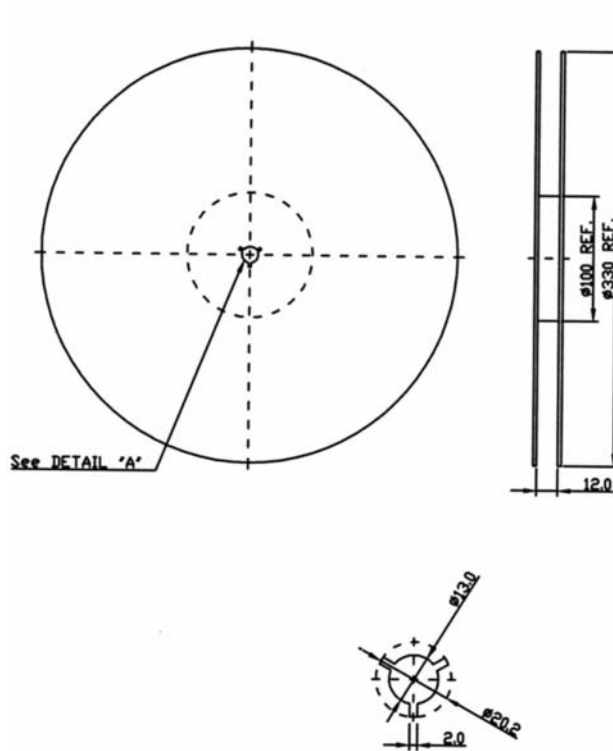
◇ : Year Code

□ : Date Code

Unit : mm

**F. PACKING:**

**1. REEL DIMENSION**



**2. TAPE DIMENSION**

