



# 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 1216 MHz SMD 3.0×3.0mm

TST Parts No.:TA0364A

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

|                     |
|---------------------|
| Company: _____      |
| Division: _____     |
| Approved by : _____ |
| Date: _____         |

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

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

Date: \_\_\_\_\_ 2004/09/09



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## SAW Filter 1216 MHz

MODEL NO.: TA0364A

REV. NO.1

### A. MAXIMUM RATING:

1. Operating Temperature: 35°C ~ 75°C
2. Storage Temperature: -40°C ~ +85°C

RoHS Compliant  
Lead free  
Lead-free soldering

### B. Characteristics :

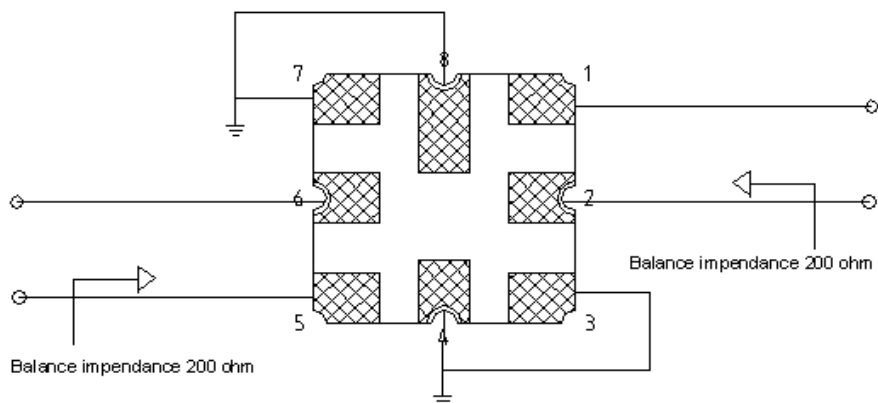
Balanced to Balanced operation

Terminating source impedance :  $Z_s = 200 \Omega$

Terminating load impedance :  $Z_L = 200 \Omega$

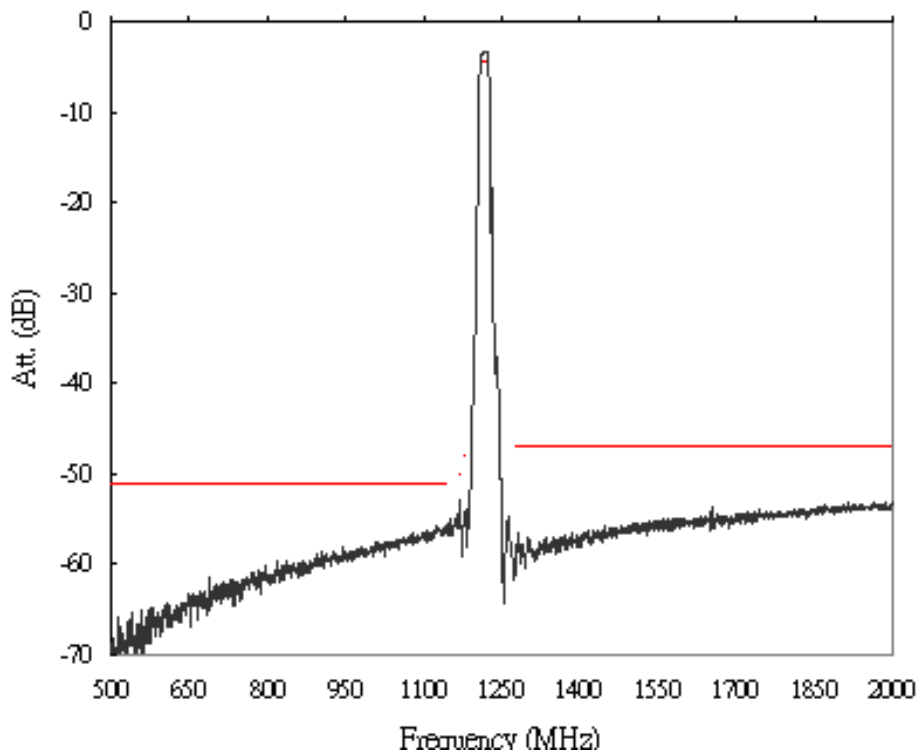
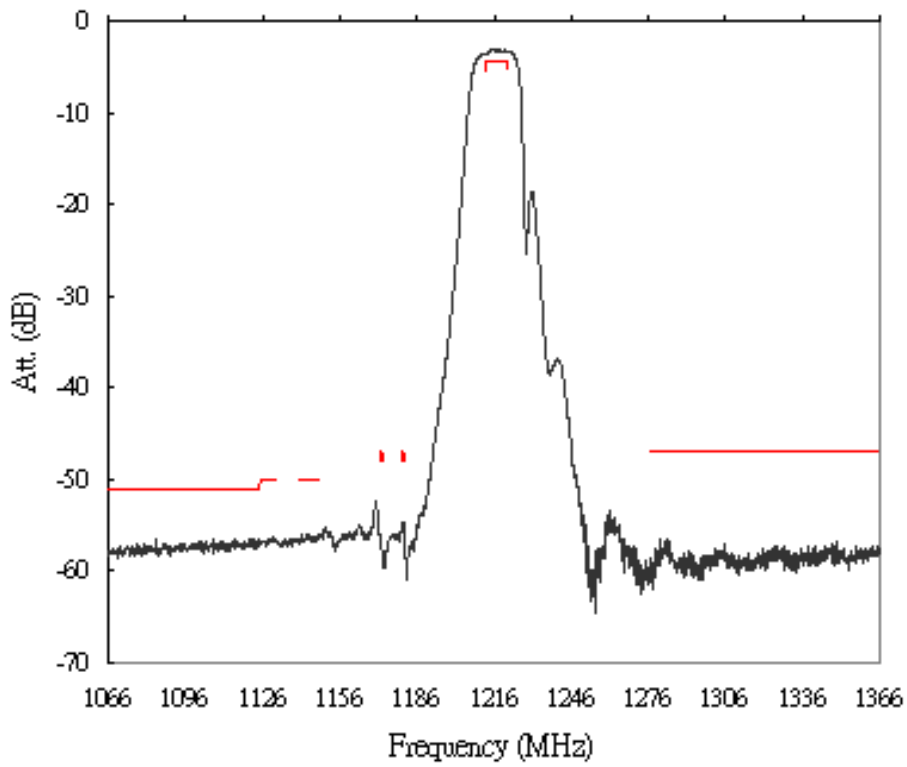
| Characteristics                          |                     |      | Value |      |      | Unit |
|--|---------------------|------|-------|------|------|------|
|  |                     |      | Min.  | Typ. | Max. |      |
| Center frequency                         | FC                  | -    | 1216  | -    | MHz  |      |
| Insertion loss                           | 1212~1220 MHz I.L.  | -    | 3.8   | 5.5  | dB   |      |
| Ripple                                   | 1212~1220 MHz       | -    | 0.5   | 1.2  | dB   |      |
| Bandwidth                                | BW <sub>-3dB</sub>  | 16.3 | 18.3  | -    | MHz  |      |
| Bandwidth                                | BW <sub>-12dB</sub> | -    | 22.9  | -    | MHz  |      |
| Attenuation:( Reference level from 0 dB) |                     |      |       |      |      |      |
| 1)                                       | 500...Fc-91MHz      | 51   | 56    | -    | dB   |      |
| 2)                                       | Fc-91...Fc-85 MHz   | 50   | 56    | -    | dB   |      |
| 3)                                       | Fc-76...Fc-68 MHz   | 50   | 56    | -    | dB   |      |
| 5)                                       | Fc-88 MHz           | 50   | 56    | -    | dB   |      |
| 6)                                       | Fc-72 MHz           | 50   | 56    | -    | dB   |      |
| 7)                                       | Fc-44 MHz           | 47   | 55    | -    | dB   |      |
| 8)                                       | Fc-36 MHz           | 47   | 54    | -    | dB   |      |
| 9)                                       | Fc+60...2000 MHz    | 47   | 53    | -    | dB   |      |
| Group delay ripple(p-p) ( 1212~1220MHz)  |                     | -    | 10    | -    | ns   |      |

### C. MEASUREMENT CIRCUIT:

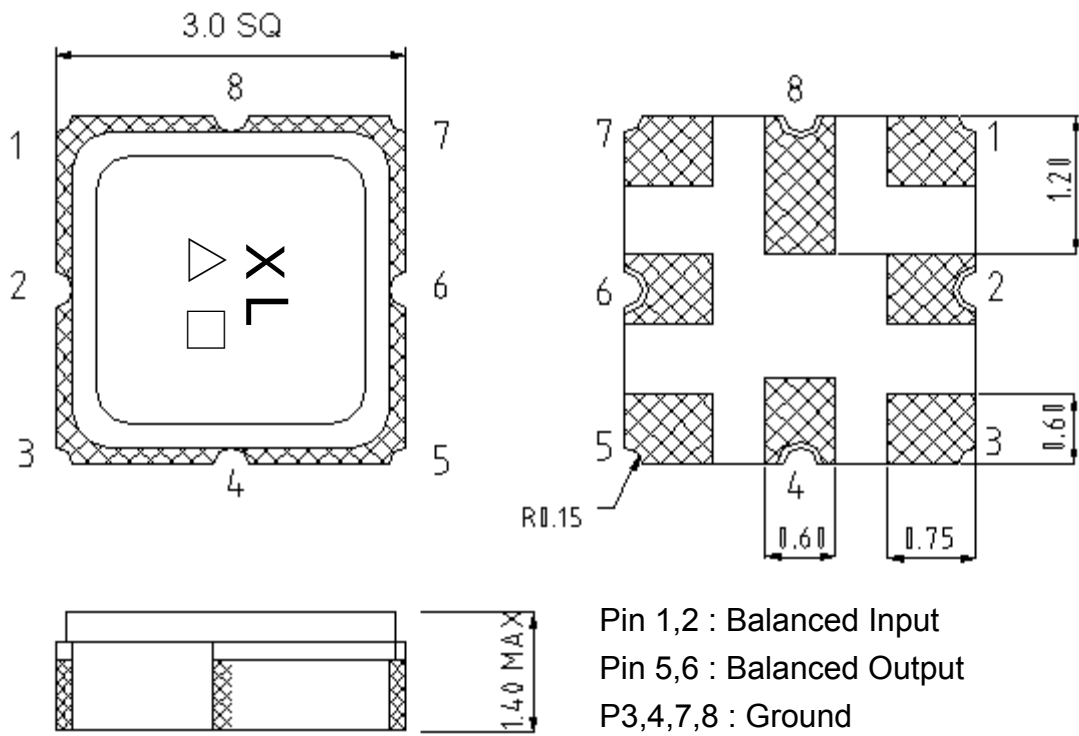


## D. Frequency Characteristics :

### 1. Sdd21 Response



**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. PCB FOOTPRINT:**

