



# 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

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## Approval Sheet For Product Specification

Issued Date: Aug, 4, 2008

Product Name: SAW Filter 2245 MHz SMD 3.0X3.0 mm

TST Parts No.: TA0880A

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

Company: \_\_\_\_\_

Division: \_\_\_\_\_

Approved by : \_\_\_\_\_

Date: \_\_\_\_\_

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

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

Date: \_\_\_\_\_ 8, 4, 2008



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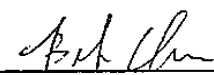
Customer Parts No.: \_\_\_\_\_

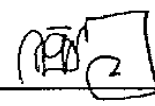
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## SAW Filter 2245 MHz

MODEL NO.:TA0880A

REV. NO.:1

### A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -40°C to +85°C

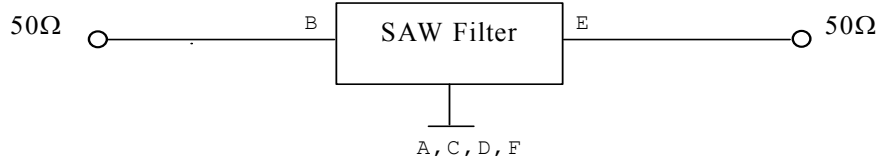
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS: ( at 25 °C )

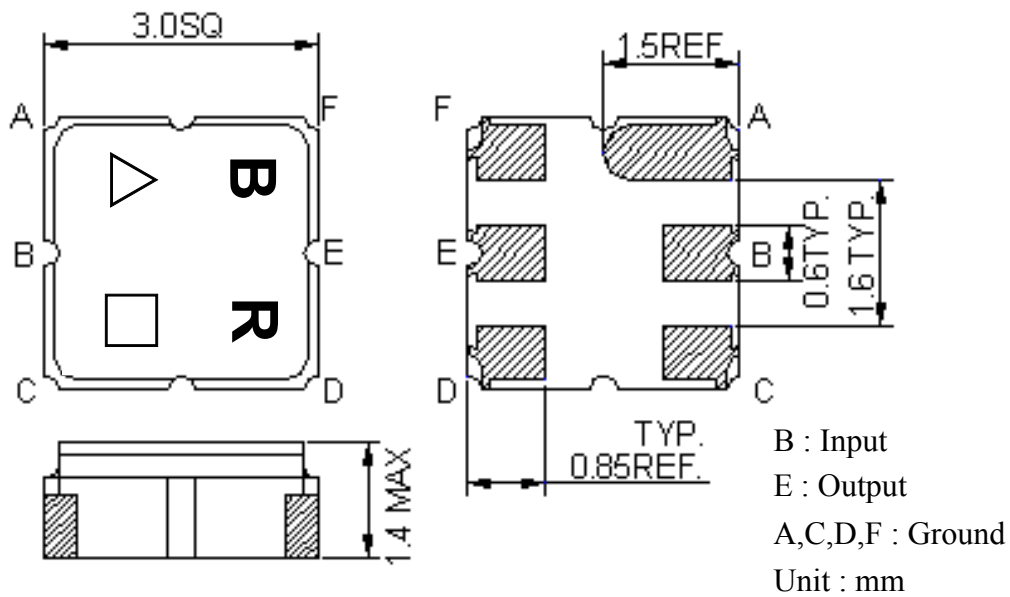
| Item                                    | Unit | Min. | Type. | Max. | Note |
|-----------------------------------------|------|------|-------|------|------|
| Center Frequency Fc                     | MHz  | -    | 2245  | -    | -    |
| Insertion Loss (2215 ~ 2275 MHz) IL     | dB   | -    | 4.7   | 6    | -    |
| Bandwidth at -3 dB level BW3            | MHz  | 90   | 95    | -    | -    |
| Amplitude Ripple (2215 ~ 2275 MHz)      | dB   | -    | 1.1   | 2.5  | -    |
| VSWR (2215~2275 MHz)                    | dB   | -    | 1.7   | 2.3  | -    |
| Group delay ripple (2215~2275MHz)       | ns   | -    | 5     | 15   | -    |
| Attenuation (Reference level from 0 dB) |      |      |       |      |      |
| 2025~2100 MHz                           | dB   | 30   | 50    | -    | -    |
| 2375~2490 MHz                           | dB   | 20   | 43    | -    | -    |

### C. MEASUREMENT CIRCUIT:

HP Network analyzer



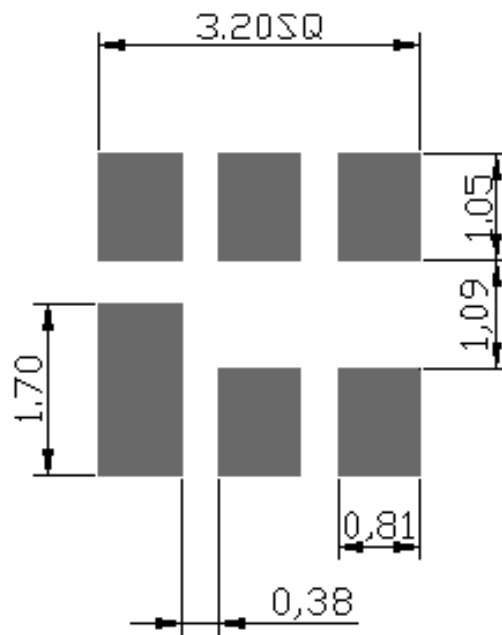
#### D.OUTLINE DRAWING:



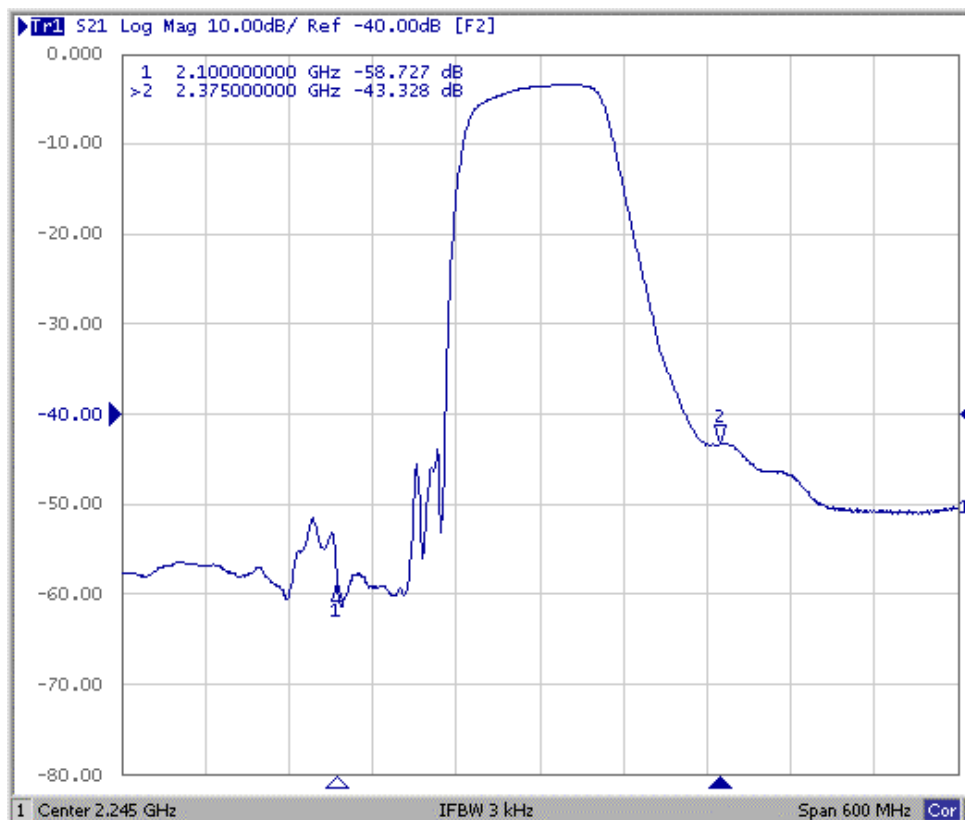
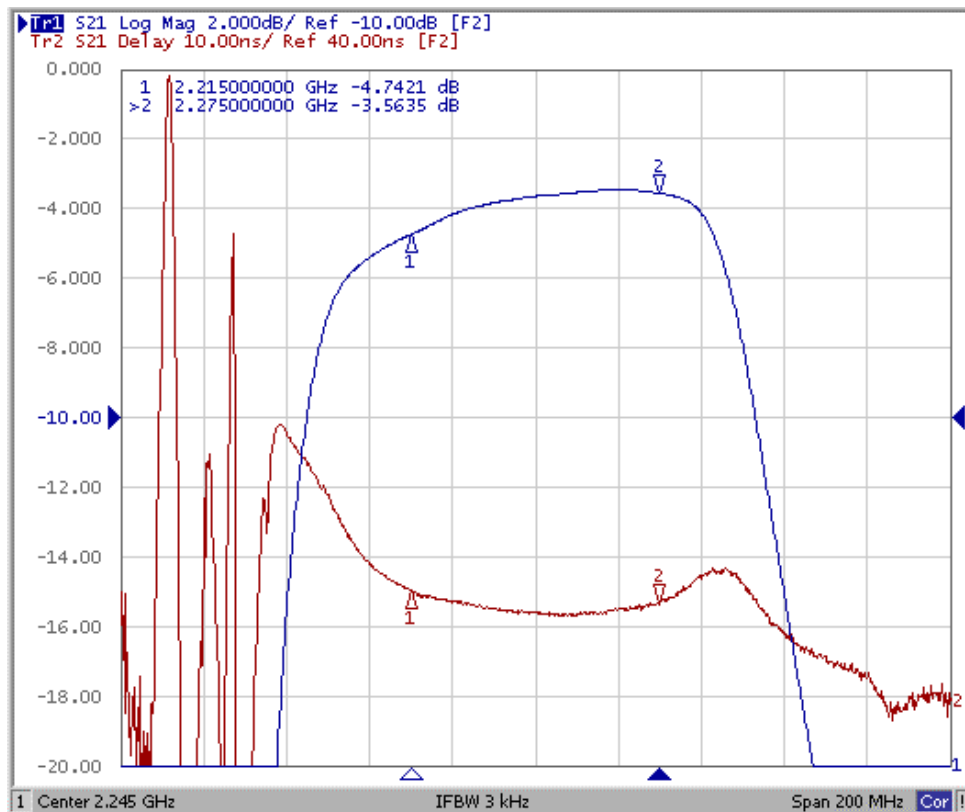
△ : Year Code (2006->6, ..., 2009->9)

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

#### E. PCB Footprint:

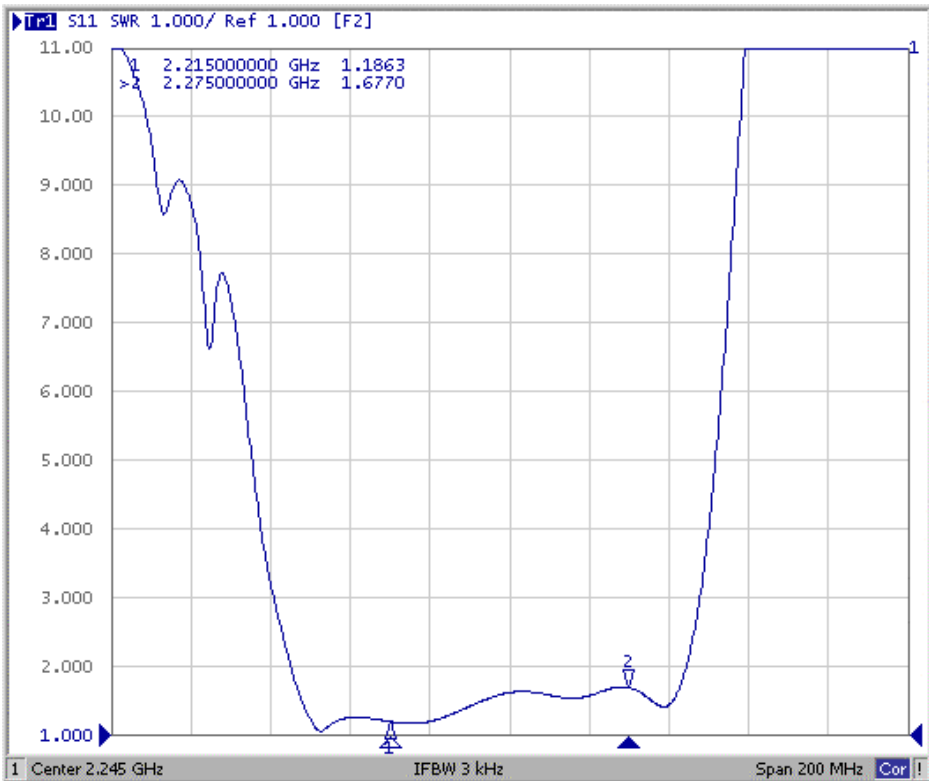


## F. Frequency Characteristics :

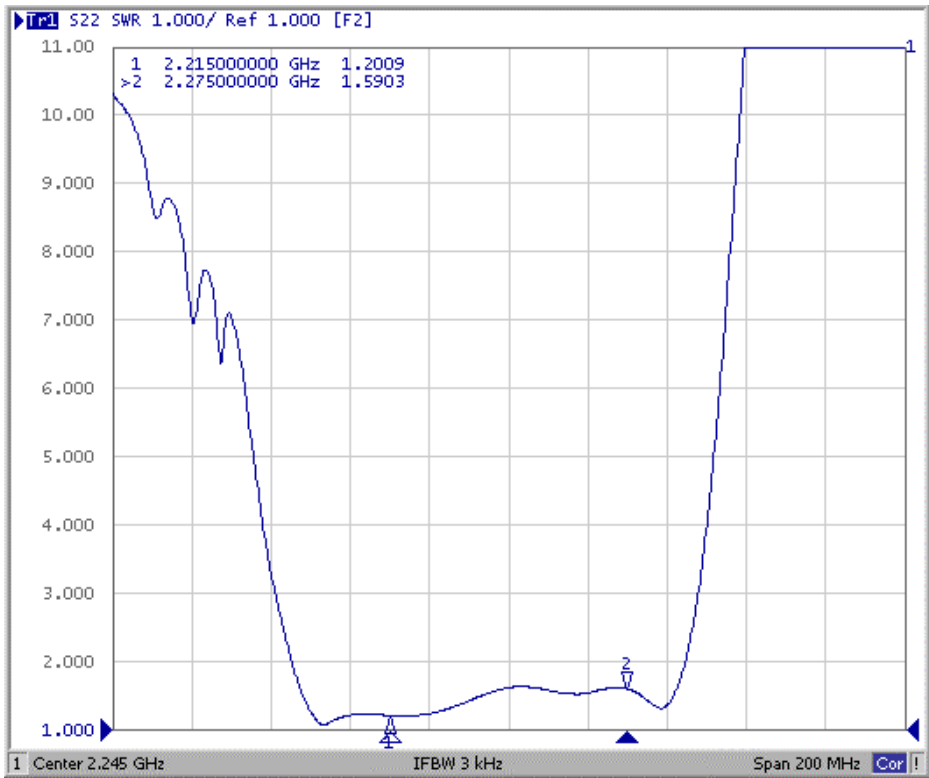


Reflection Functions :

S11



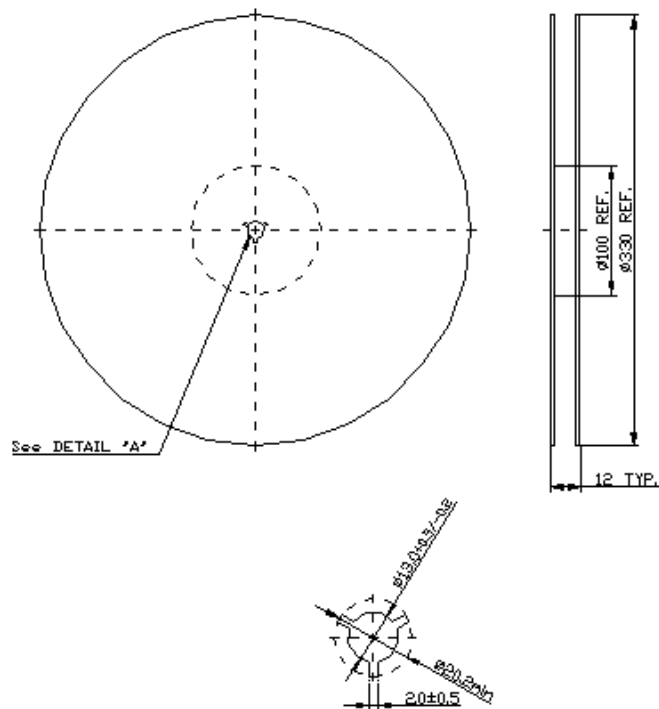
S22



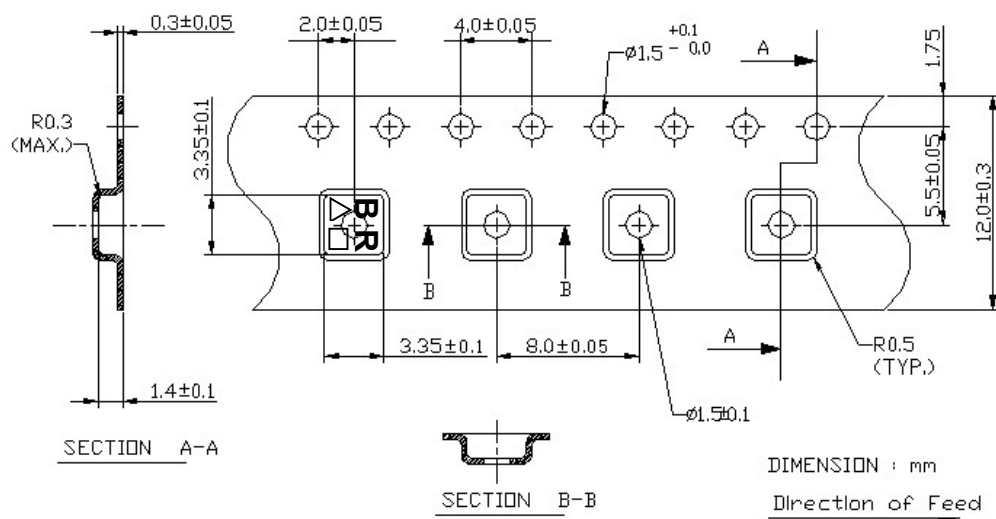
### **G. PACKING:**

## 1. REEL DIMENSION

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



## 2.TAPE DIMENSION



**H. RECOMMENDED REFLOW PROFILE :**

