



# TAI-SAW TECHNOLOGY CO., LTD.

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## Approval Sheet For Product Specification

Issued Date: Oct, 23, 2007

Product Name: SAW FILTER 1842.5 MHz SMD 3.0 SQ

TST Parts No.: TA0763A

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

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

Checked by: \_\_\_\_\_ Anne Chen

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

Date: \_\_\_\_\_ 10, 23, 2007



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## SAW Filter 1842.5 MHz for Mobile Communication

MODEL NO.: TA0763A

REV. NO.:1

### A. MAXIMUM RATING:

1. Input Power Level: +20dB<sub>m</sub>
2. DC voltage: 0 V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

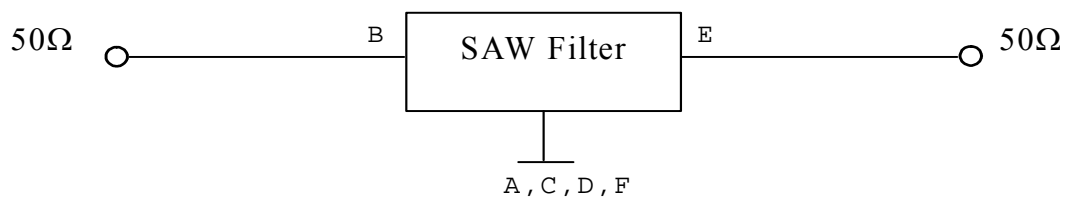
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

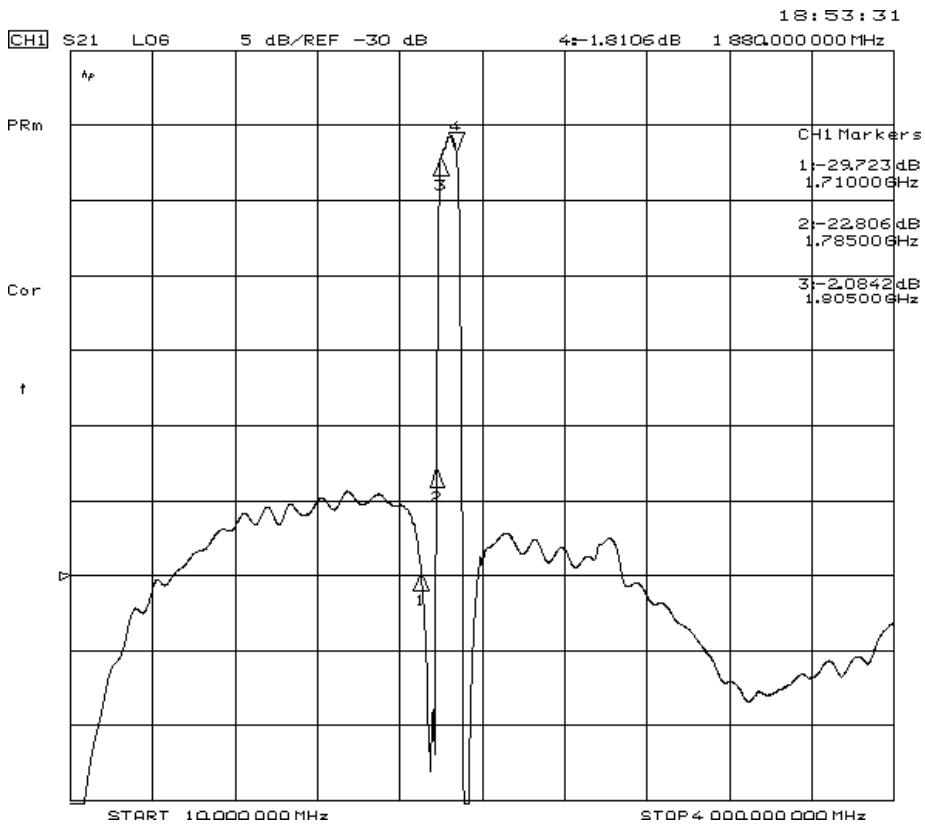
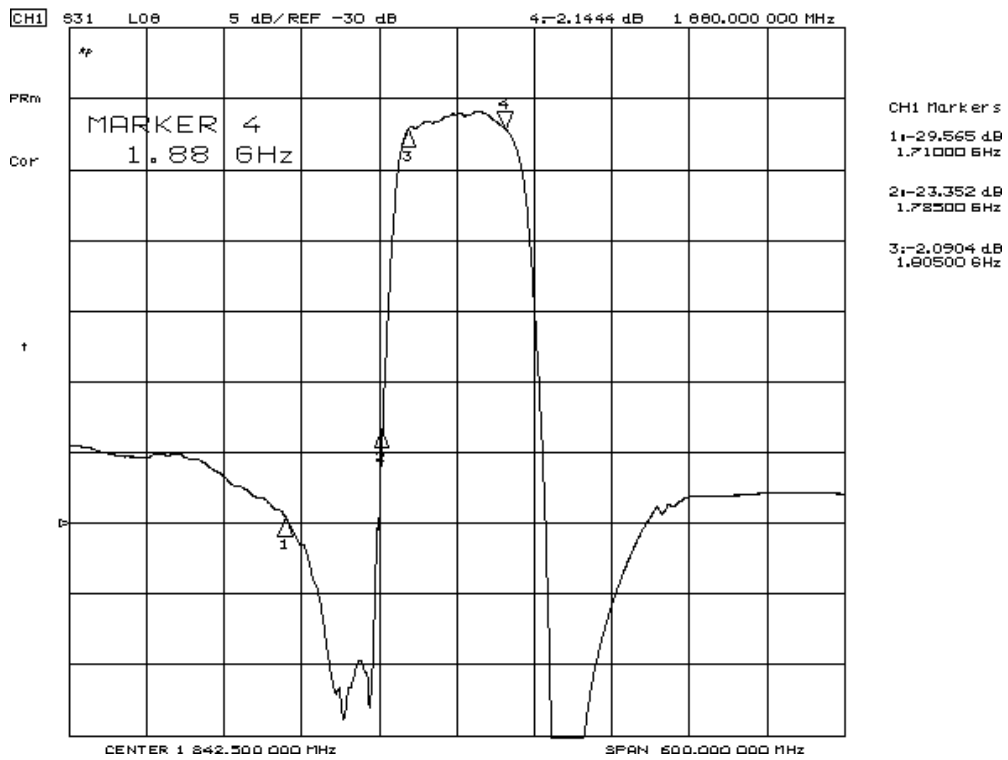
Item	Min.	Typ.	Max.
<b>Center frequency</b> Fc (dB)	-	1842.5	-
<b>Insertion loss</b> within 1805 ~1880 MHz IL (dB)	-	2.2	3.8
<b>Amplitude ripple</b> (p-p) within 1805 ~ 1880 MHz (dB)	-	1.3	2.3
<b>Attenuation</b> (Reference level from 0 dB)			
D.C. ~ 1500 MHz (dB)	20.0	24.5	-
1600 ~ 1710 MHz (dB)	22.0	25.0	-
1710 ~ 1785 MHz (dB)	10.0	23.5	-
1920 ~ 3120 MHz (dB)	25.0	28.0	-
3120 ~ 4000 MHz (dB)	17.0	30.0	-
<b>VSWR</b> within 1805 ~1880 MHz	-	1.9	2.6
<b>Source impedance</b> Zs (Ω)	-	50	-
<b>Load impedance</b> ZL (Ω)	-	50	-

Note1. No matching network required for operation at 50 Ω

HP Network analyzer

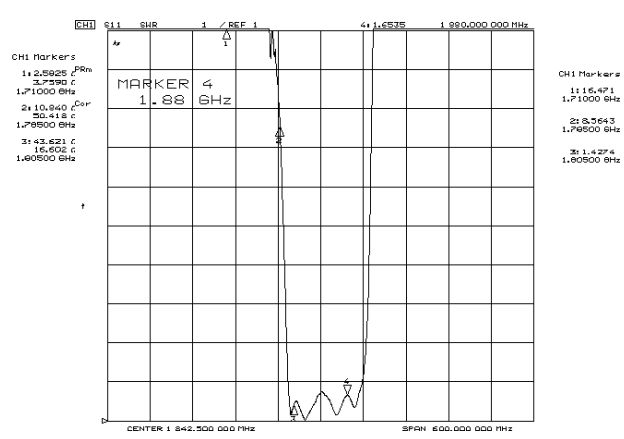
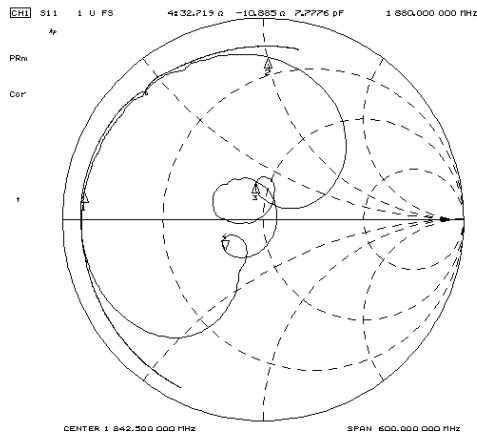


### C. Frequency Characteristics : Transfer function

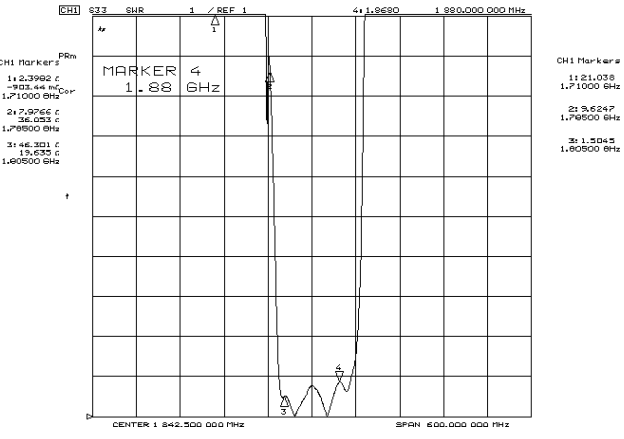
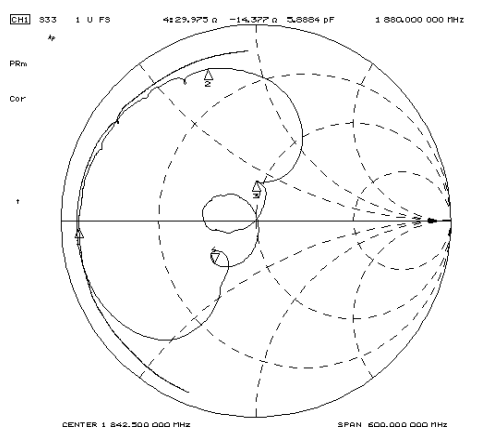


# Reflections Functions :

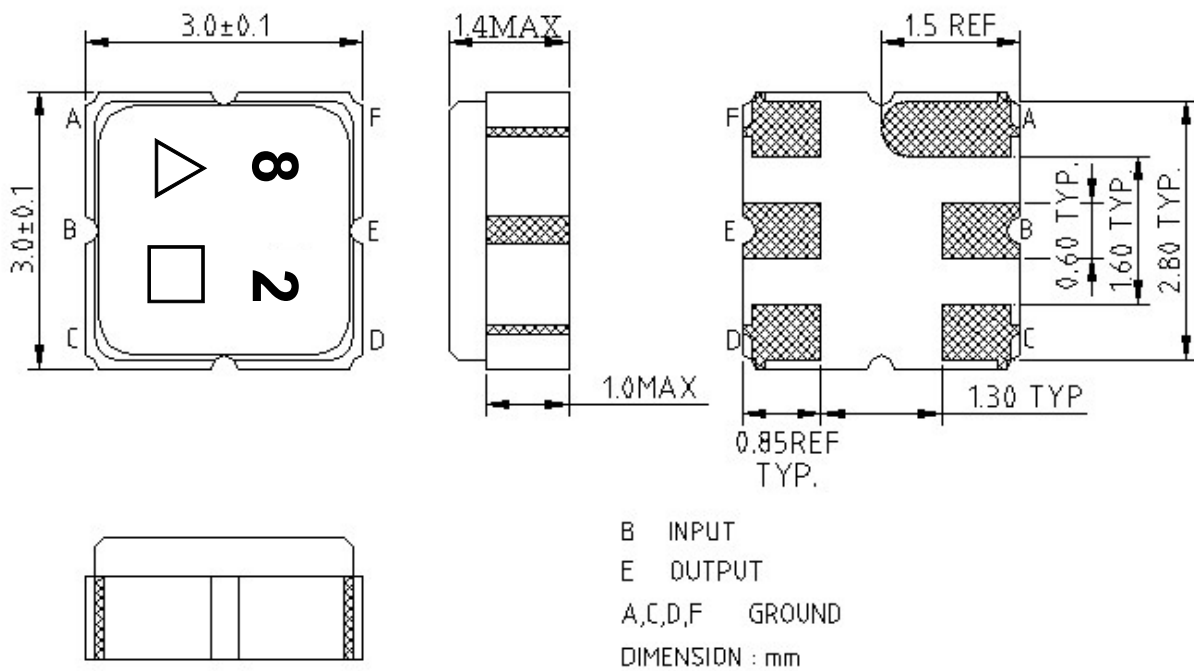
## S11 VSWR



## S22 VSWR

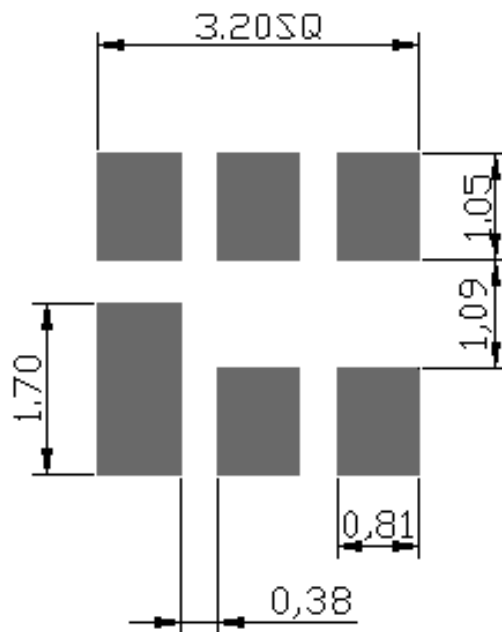


**E.OUTLINE DRAWING:**



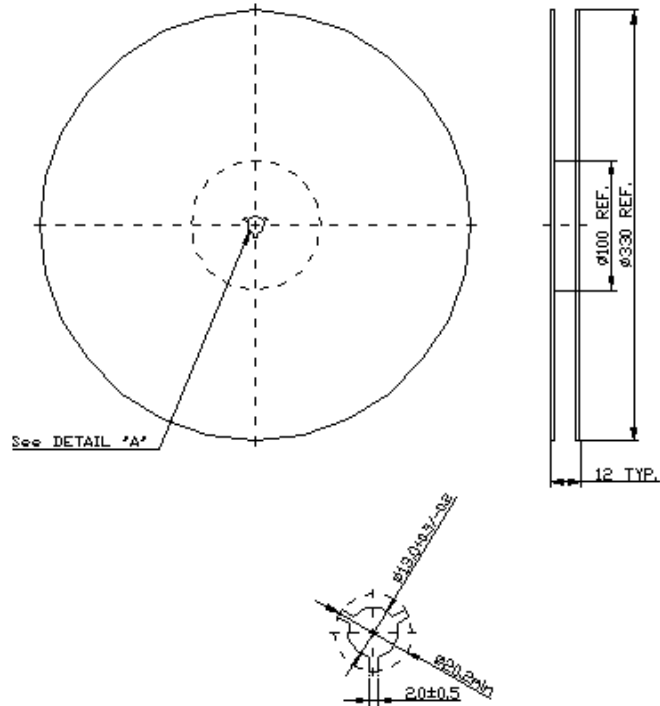
- △ : Year Code (2006->6, ..., 2009->9)
- : Date Code (Follow the table from planner each year)

**E. PCB Footprint:**

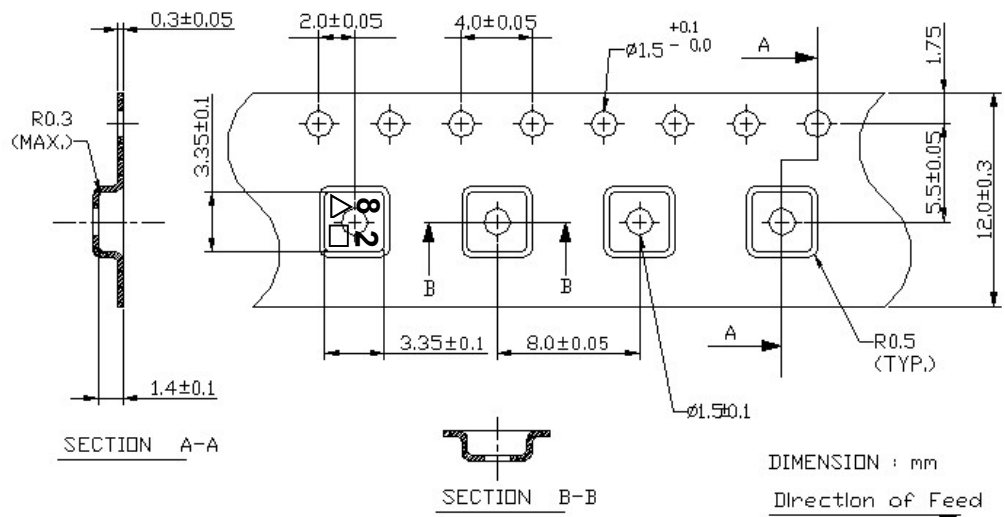


**F. PACKING:**

**1. REEL DIMENSION**



**2. TAPE DIMENSION**



I. **RECOMMENDED REFLOW PROFILE :**

