



# 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: Jun, 27, 2007

Product Name: SAW Filter 895.5 MHz SMD 3.0X3.0 mm

TST Parts No.: TA0627A

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

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

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

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

Date: \_\_\_\_\_ 6, 27, 2007



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## SAW Filter 895.5MHz

MODEL NO.:TA0627A

REV. NO.:1

### A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -30°C to +80°C
4. Storage Temperature: -40°C to +85°C

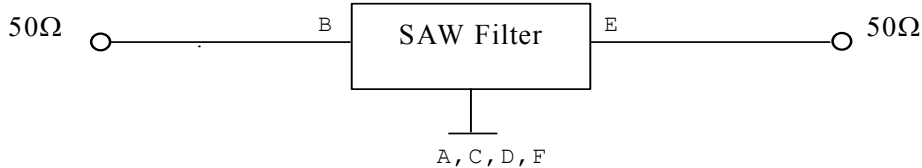
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

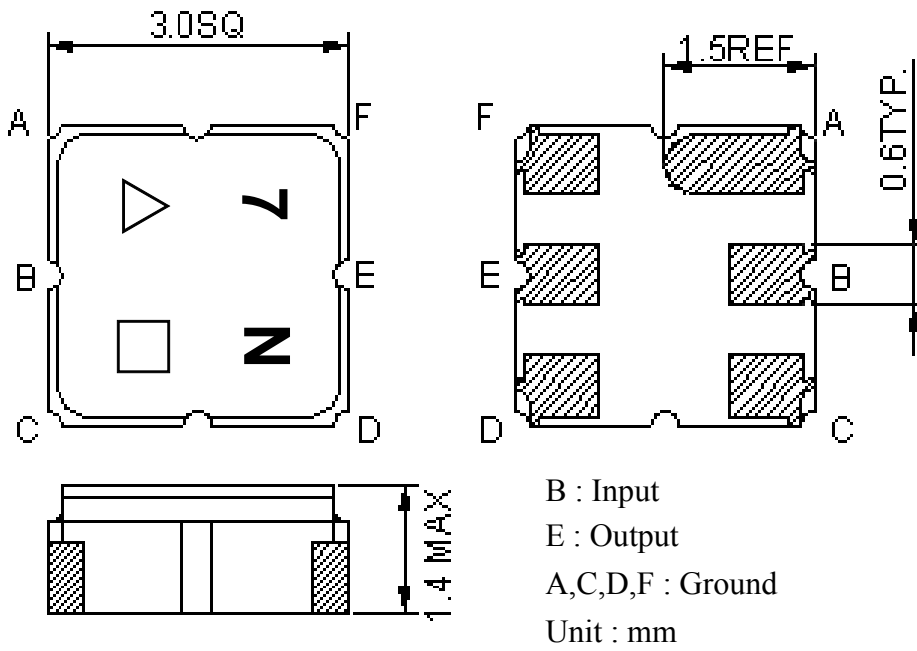
Item	Unit	Min.	Type.	Max.	Note
Center Frequency <b>Fc</b>	MHz	-	895.5	-	-
Max Insertion Loss <b>ae</b>	dB	-	1.4	2.7	-
Max Insertion Loss at ambient temp.	dB	-	1	2.2	-
Amplitude Ripple (876 ~ 915 MHz)	dB	-	1.8	2.4	-
Amplitude Ripple at ambient temp. (876 ~ 915 MHz)	dB	-	1.5	2.2	-
VSWR (876 ~ 915 MHz)		-	2.3	3	-
<b>Relative Attenuation</b> (relative to 0 dB)					
D.C. ~ 856 MHz	dB	17	19	-	-
925 ~ 935 MHz	dB	4	9	-	-
925 ~ 935 MHz at ambient temp.	dB	6	15	-	-
935 ~ 2000 MHz	dB	20	22	-	-
2000 ~ 3000 MHz	dB	13	17	-	-

### C. MEASUREMENT CIRCUIT:

HP Network analyzer

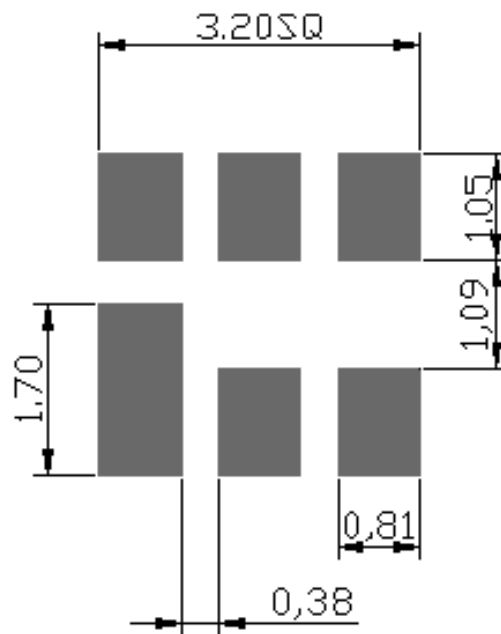


**D.OUTLINE DRAWING:**

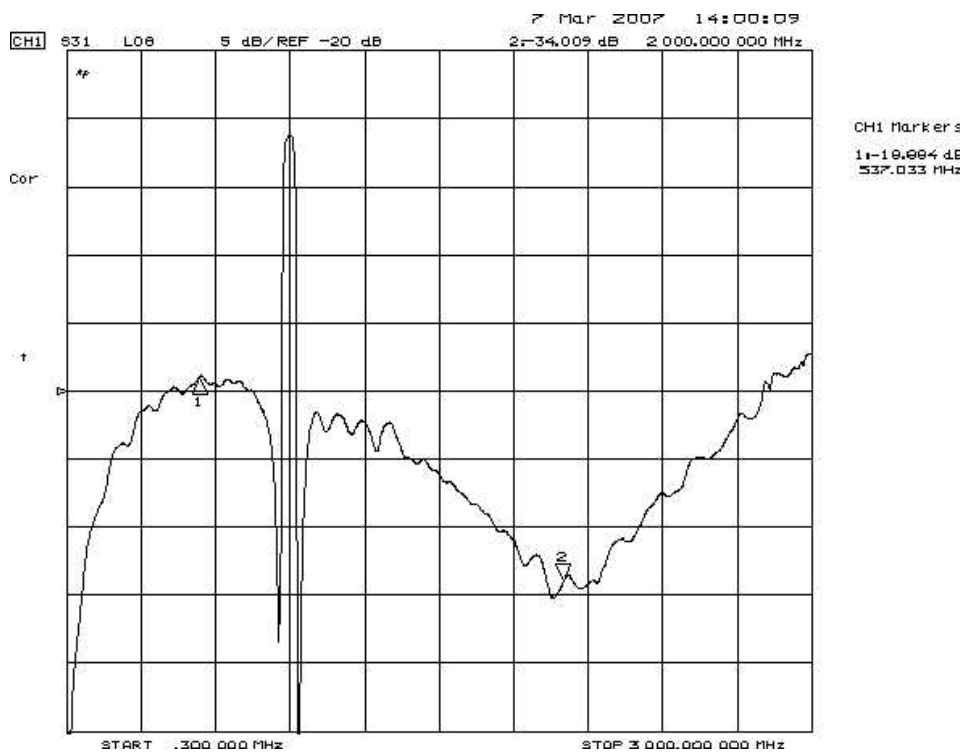
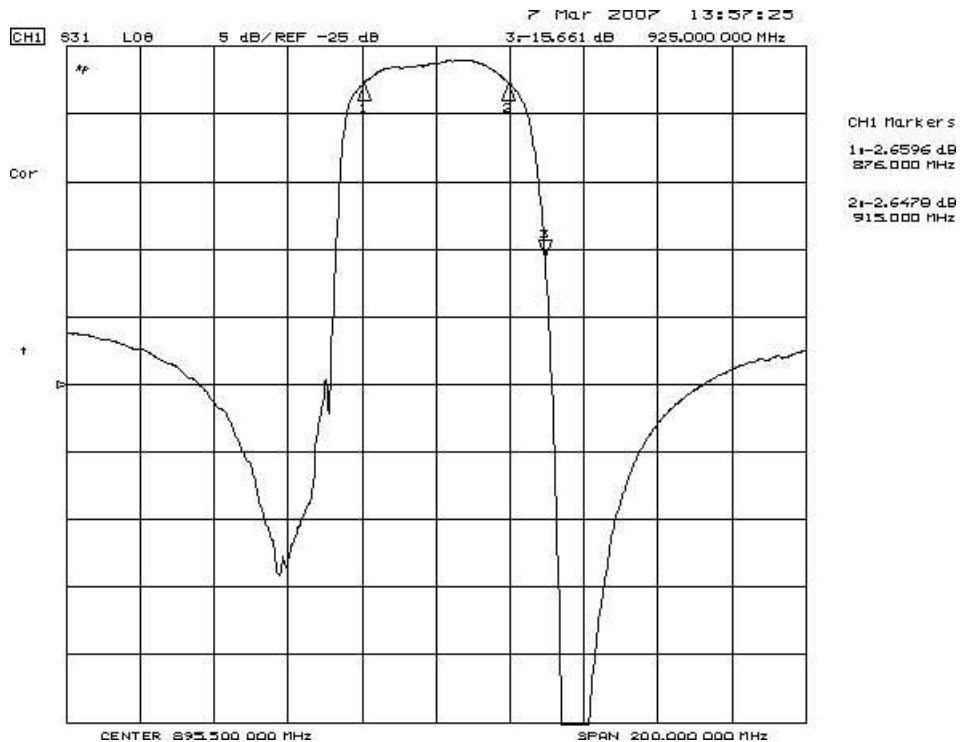


- △ : Year Code (2006->6, ..., 2009->9)
- : Date Code (Follow the table from planner each year)

**E. PCB Footprint:**

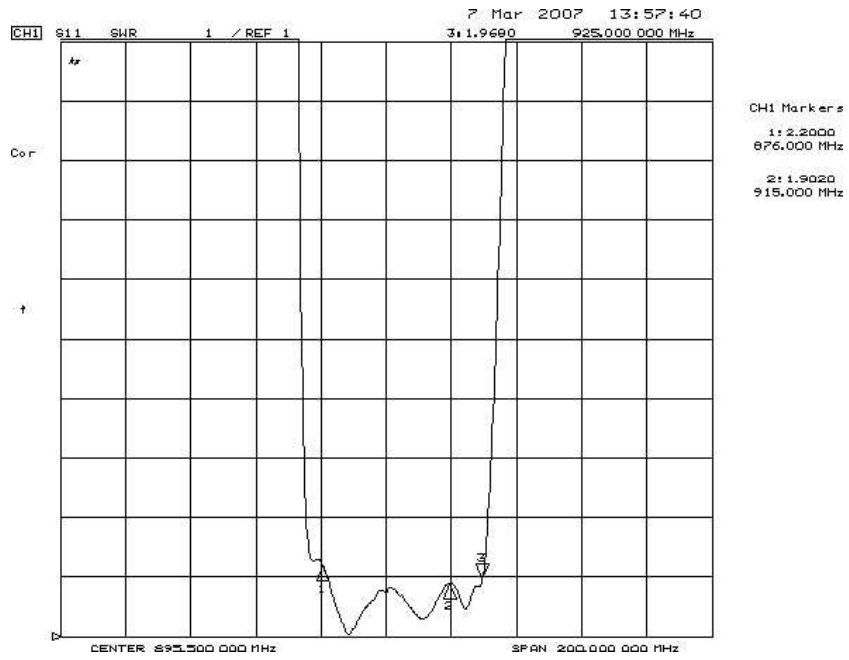


# F. Frequency Characteristics :

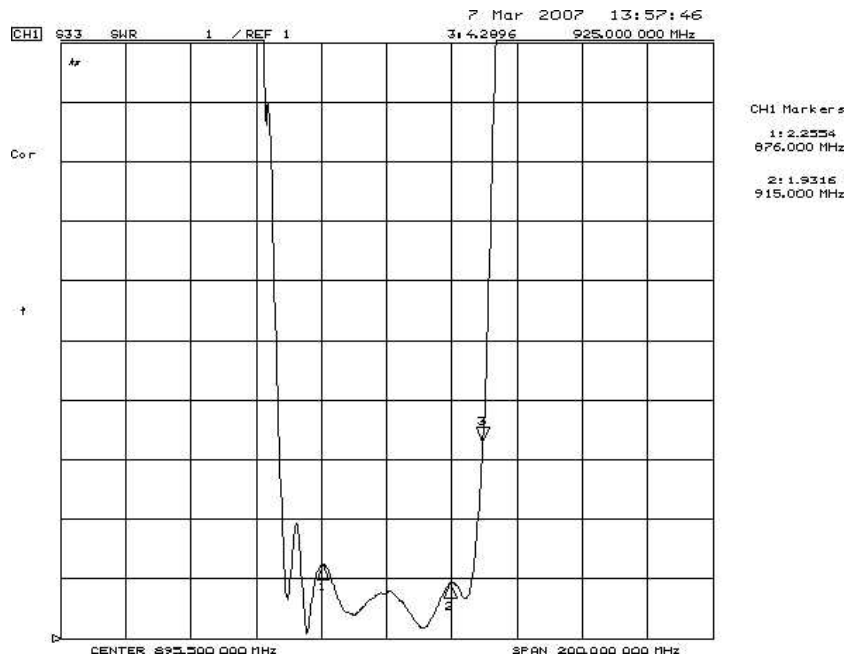


# Reflections Functions :

## S11 VSWR



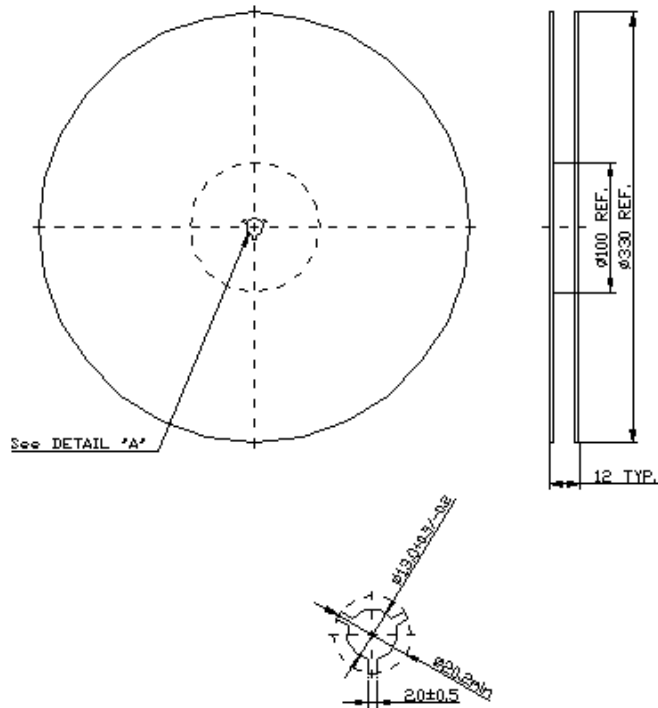
## S22 VSWR



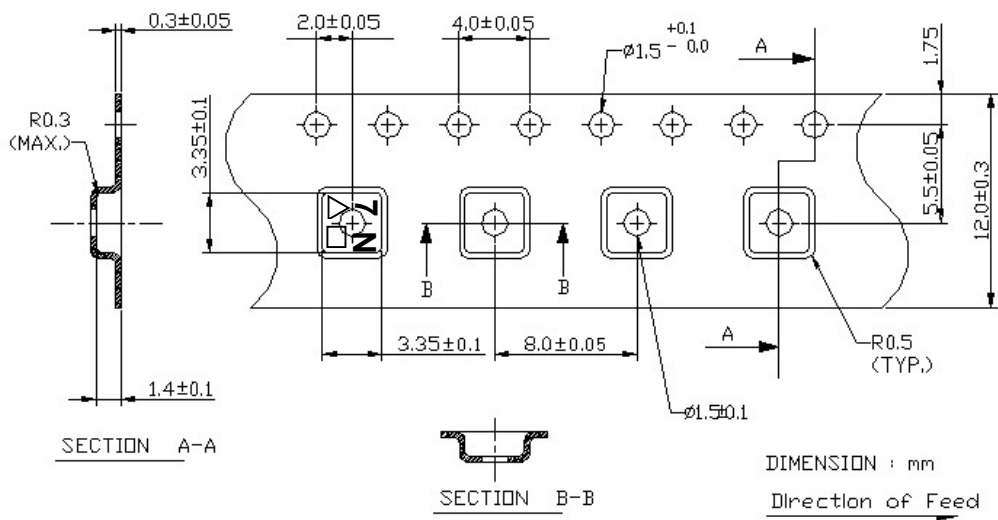
**G. PACKING:**

**1. REEL DIMENSION**

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



**2. TAPE DIMENSION**



**H. RECOMMENDED REFLOW PROFILE :**

