



# TAI-SAW TECHNOLOGY CO., LTD.

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## Approval Sheet For Product Specification

Issued Date: 01/13/06

Product Name: SAW Filter 600 MHz SMD 3.0x3.0 mm

TST Parts No.:TB0353A

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

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

Checked by: \_\_\_\_\_ Asin Lin

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

Date: \_\_\_\_\_ 01/13/06



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## SAW Filter 600MHz

MODEL NO.: TB0353A

REV. NO.:1

### A. MAXIMUM RATING:

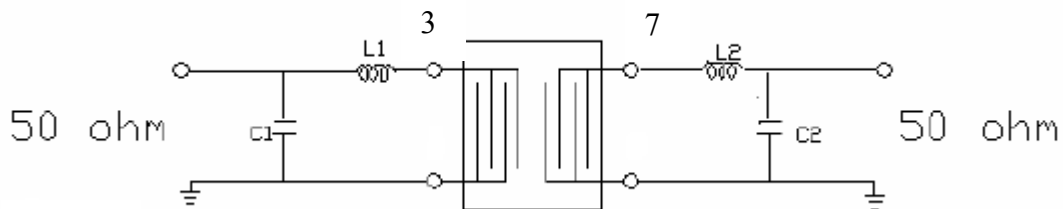
1. Input Power Level : 0 dBm
2. Operating Temperature: -40°C to 85°C
3. Storage Temperature: -40°C to 85°C

RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center frequency, <b>F<sub>c</sub></b>	MHz	-	600	-	-
Insertion Loss, <b>IL</b>	dB	-	9	10	-
Passband width, <b>BW<sub>3</sub></b>	MHz	4.5	8.3	-	-
Amplitude Ripple in F <sub>c</sub> ±1MHz	dB	-	0.75	1	-
Group delay ripple in F <sub>c</sub> ±1MHz	nS	-	80	100	-
Phase Linearity in F <sub>c</sub> ±1MHz	deg		2.5	4	
Attenuation:(Reference level from Min IL)					
10 MHz to 604.5 MHz	dB	35	41	-	-
604.5 MHz to 629.5 MHz	dB	30	37	-	-
659.5 MHz to 684.5 MHz	dB	30	35	-	-
684.5 MHz to 900 MHz	dB	35	37	-	-

### C. MEASUREMENT CIRCUIT:



Input L1=4.7nH, C1=10pF  
Output L2=6.8nH, C2=10pF

## D. Frequency Characteristics :

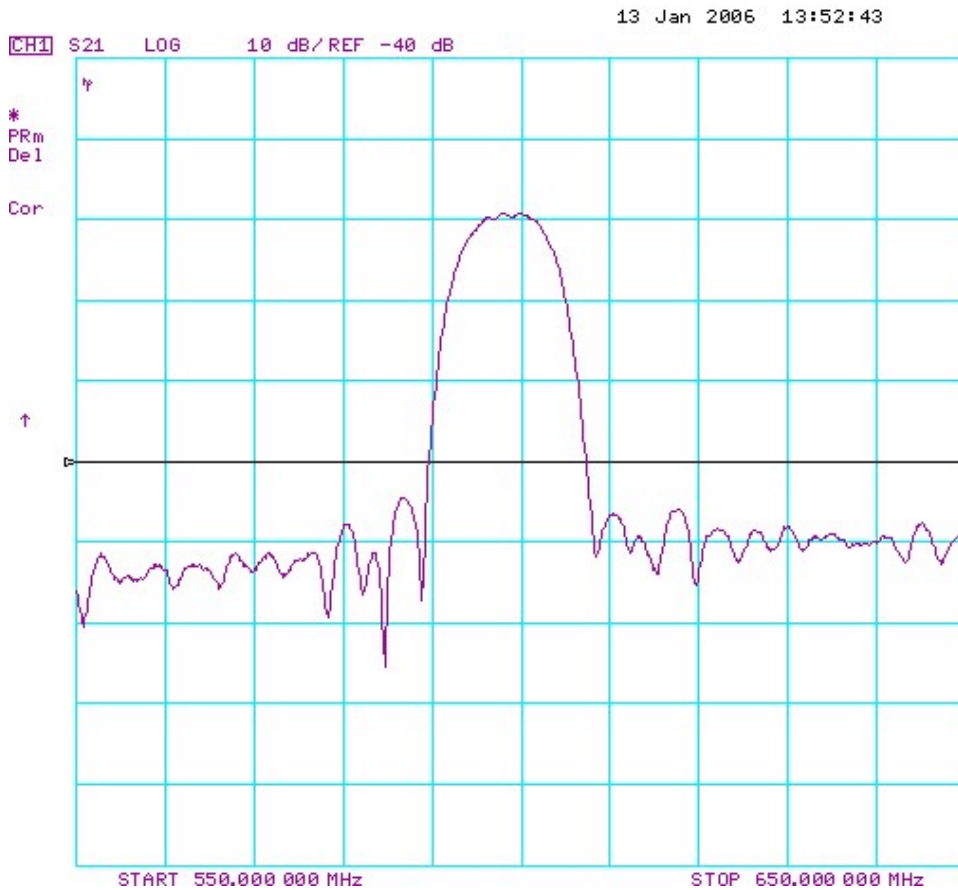


Fig-1 S21 Response Horizontal: 10MHz/Div  
Vertical: 10dB/Div

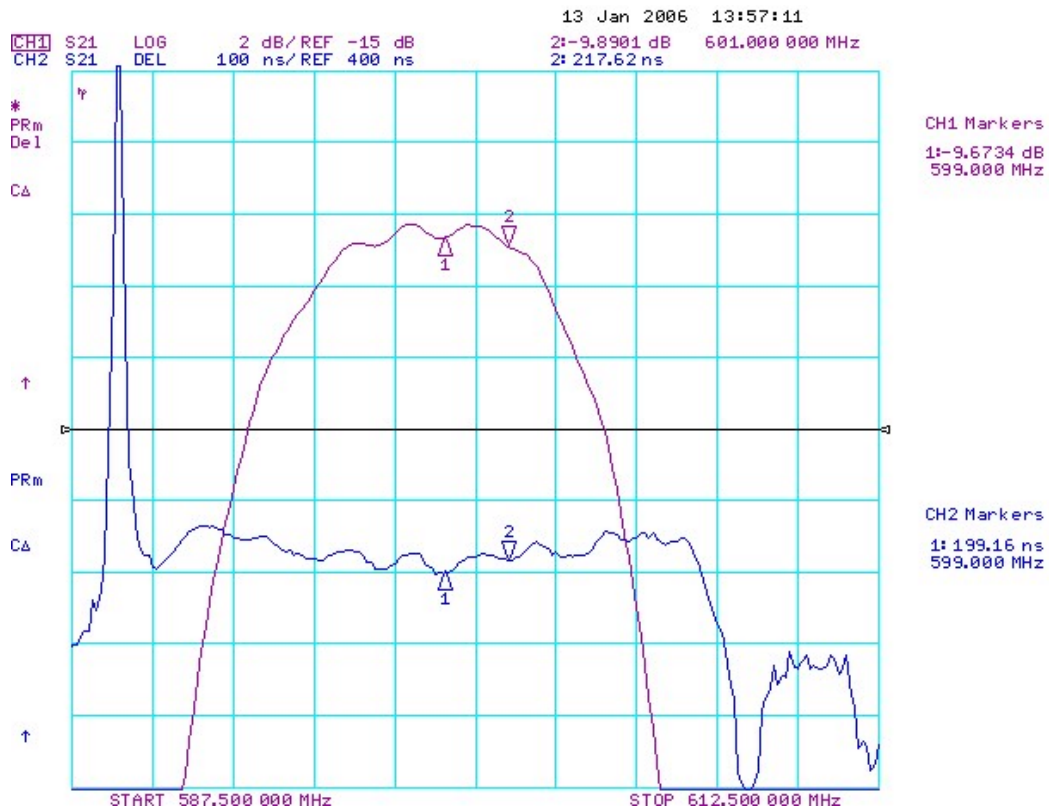
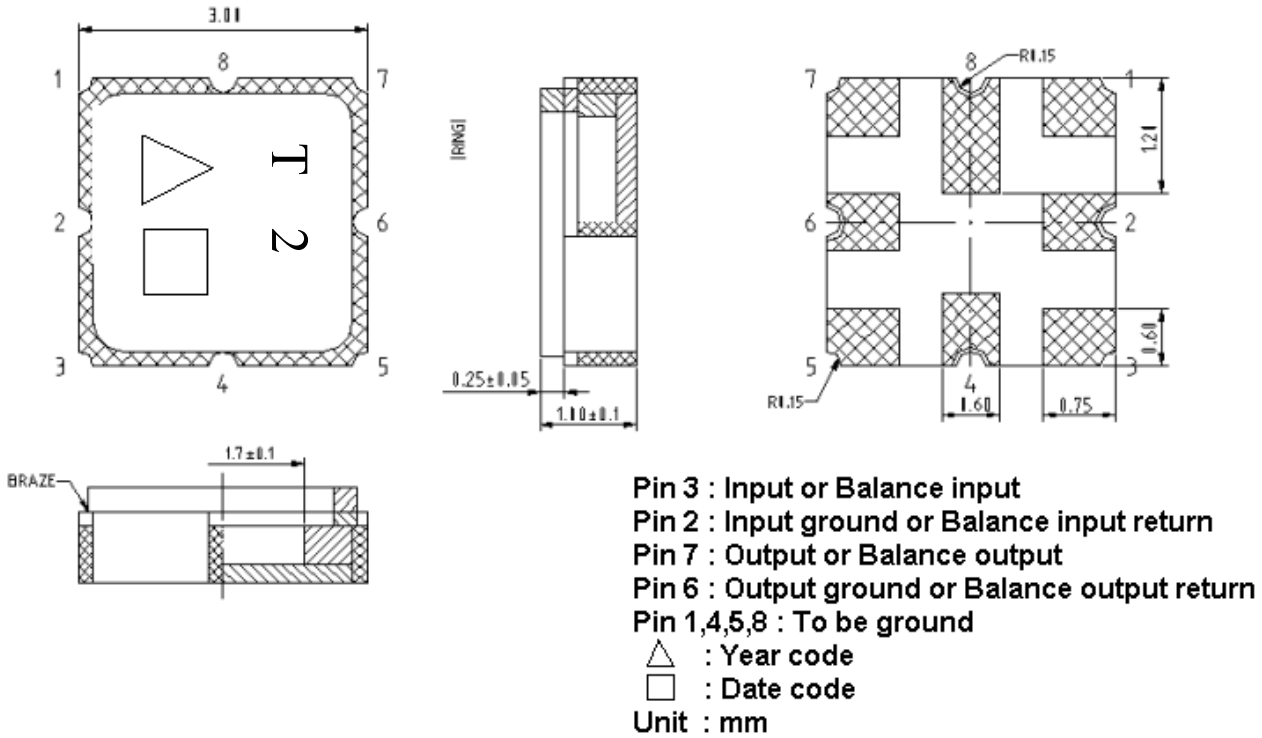


Fig-2 Horizontal: 2.5M Hz/Div Vertical: 2dB/Div  
Vertical: 100ns/Div

### E. Outline Drawing :



Year code:2006 for 6,2007 for 7...

Date code: Provided by planer each year

### F. PCB Footprint

