



# TAI-SAW TECHNOLOGY CO., LTD.

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## Approval Sheet For Product Specification

Issued Date:

Product Name: IF SAW Filter 125 MHz (SMD 13.3mmX6.5mm)

TST Parts No.:TB0467A

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

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

Checked by: \_\_\_\_\_ Andy Lee

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

Date: \_\_\_\_\_ 2006/12/28



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## IF SAW Filter 125 MHz SMD 13.3mmX6.5mm

MODEL NO.: TB0467A

REV. NO.1

### A. MAXIMUM RATING:

1. Operating Temperature: -20°C ~ +70°C
2. Storage Temperature: -40 °C ~ +85 °C
3. Input Power Level: 10dBm

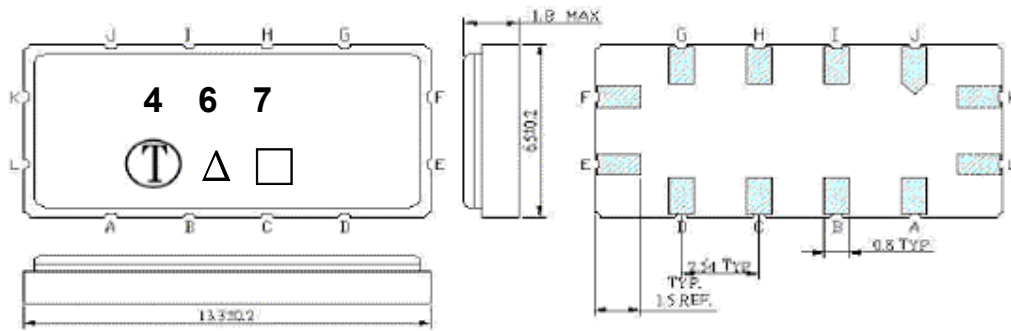
RoHS Compliant  
Lead free  
Lead-free soldering

### B. Characteristics :

1. Ambient Temperature: 25 °

Characteristics	Value			Note.
	Min.		Max.	
Center frequency $F_C$ MHz	-	125	-	-
Maximum Insertion loss I.L. dB	-	12.5	13.5	-
1dB Bandwidth MHz	-	29.0	-	
3dB Bandwidth MHz	30.0	30.2	-	
40dB Bandwidth MHz	-	34.5	39.0	
Passband Ripple ( $F_C \pm 14$ MHz) dB	-	0.64	1.00	-
Group Delay Ripple ( $F_C \pm 14$ MHz) nS	-	15	50	-
Temp Coefficient ppm/C		-86		
Absolute Delay uS		0.88		
Attenuation:( Reference level from minimum insertion loss)				
1) Ultimate Attenuation dB	40	55	-	-

### C.OUTLINE DRAWING:



Unit: mm

#### Pin configuration

- #K RF Input
- #L RF Input ground
- #E RF Output
- #F RF Output ground
- #A,B,C,D,G,H,I,J To be ground
- : Week Code (Follow the table from planner each year)
- △ : Product / Year Code

Year	2005 2009	2006 2010	2007 2011	2008 2012
Product Code	B	b	<u>B</u>	<u>b</u>

## D. Frequency Characteristics :

### 1. S21 Response

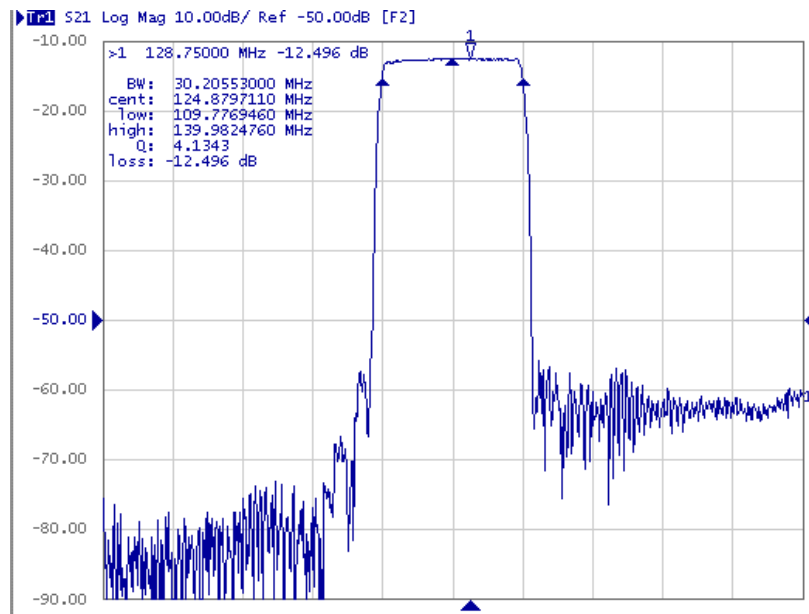


Fig. 1 S21 Response Horizontal: 15MHz/Div; Vertical: 10dB/Div

### 2. Pass band Ripple

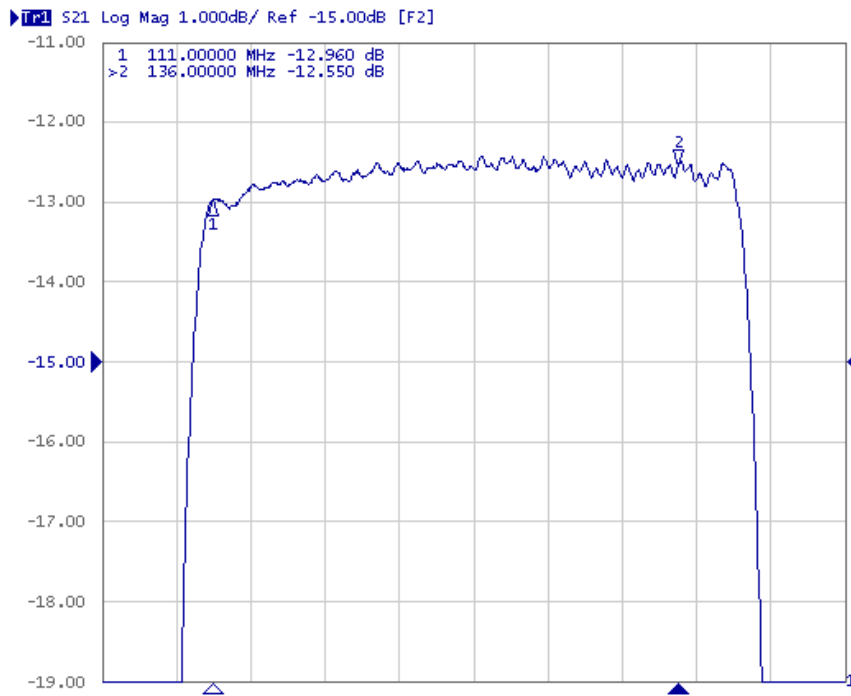


Fig. 2 Inband ripplen Horizontal: 4MHz/Div; Vertical: 1dB/Div

### 3. S21 Response

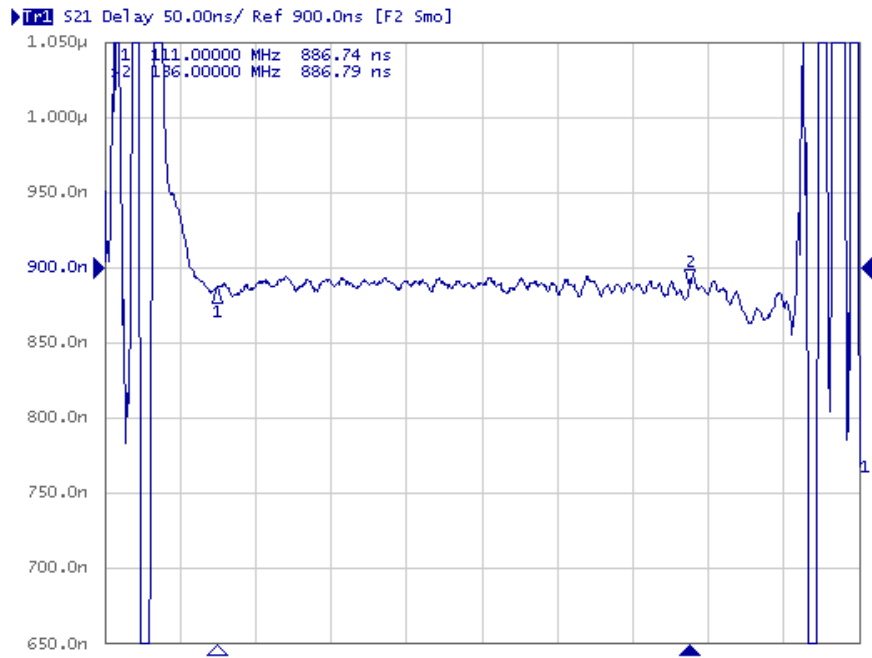


Fig. 3 Group Delay Horizontal: 4MHz/Div; Vertical: 50nS/Div

### 4. Wide band Response

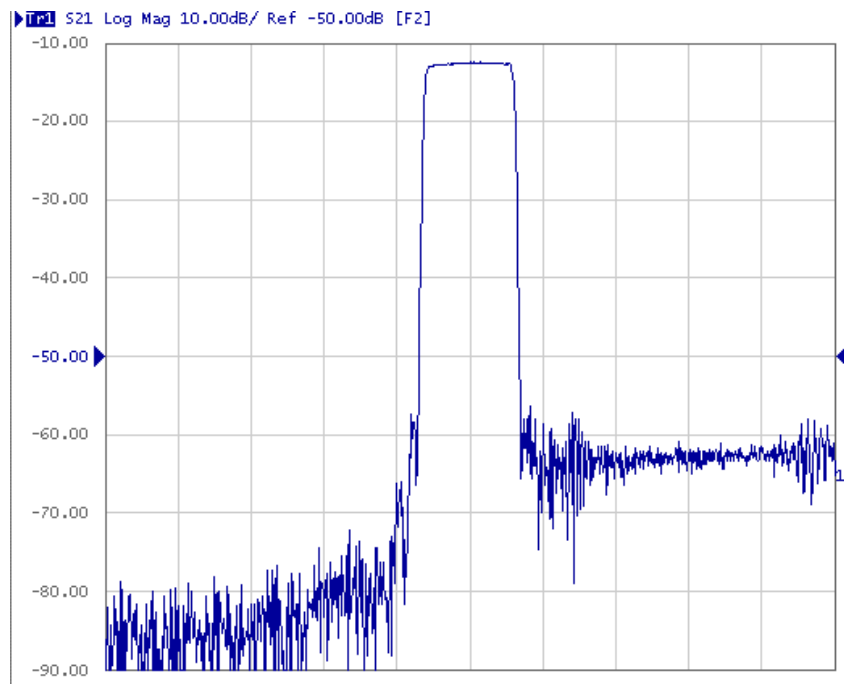
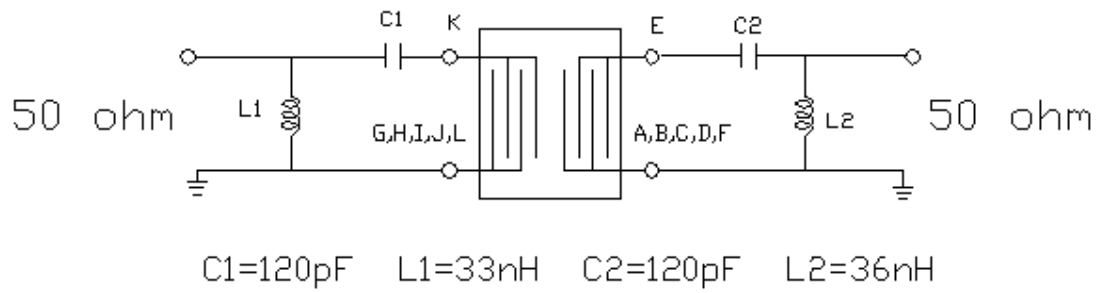
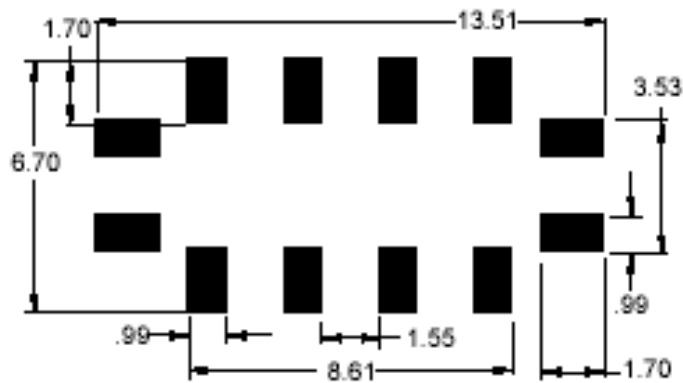


Fig. 2 Wide band Horizontal: 25MHz/Div; Vertical: 10dB/Div

### E. TEST FIXTURE :

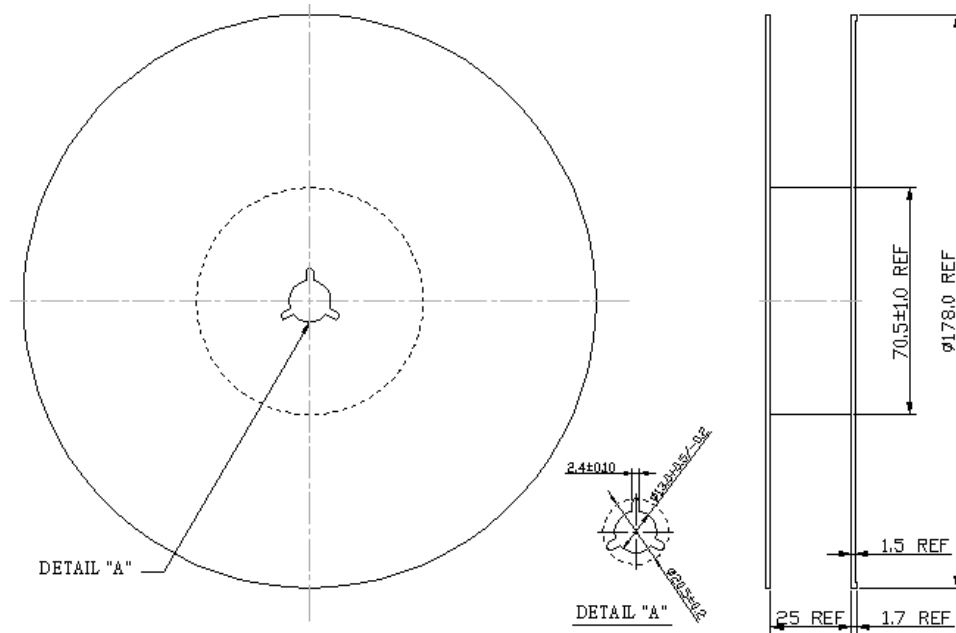


### F. PCB FOOTPRINT



## G. PACKING:

### 1. REEL DIMENSION



### 2. TAPE DIMENSION

