



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

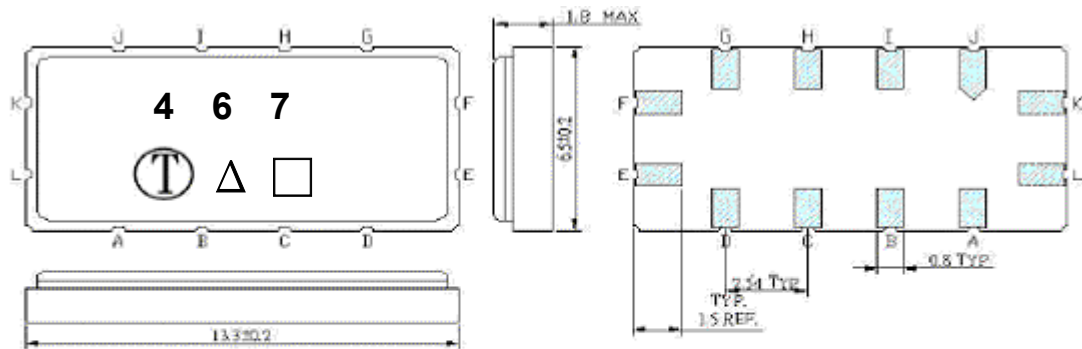
RoHS Compliant
Lead free
Lead-free soldering

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

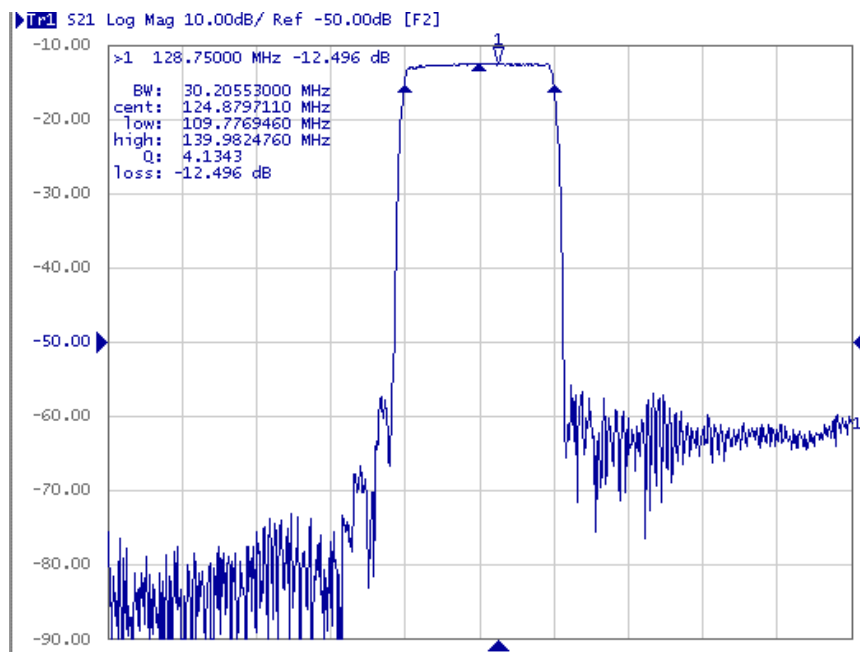


Fig. 1 S21 Response Horizontal: 15MHz/Div; Vertical: 10dB/Div

2. Pass band Ripple

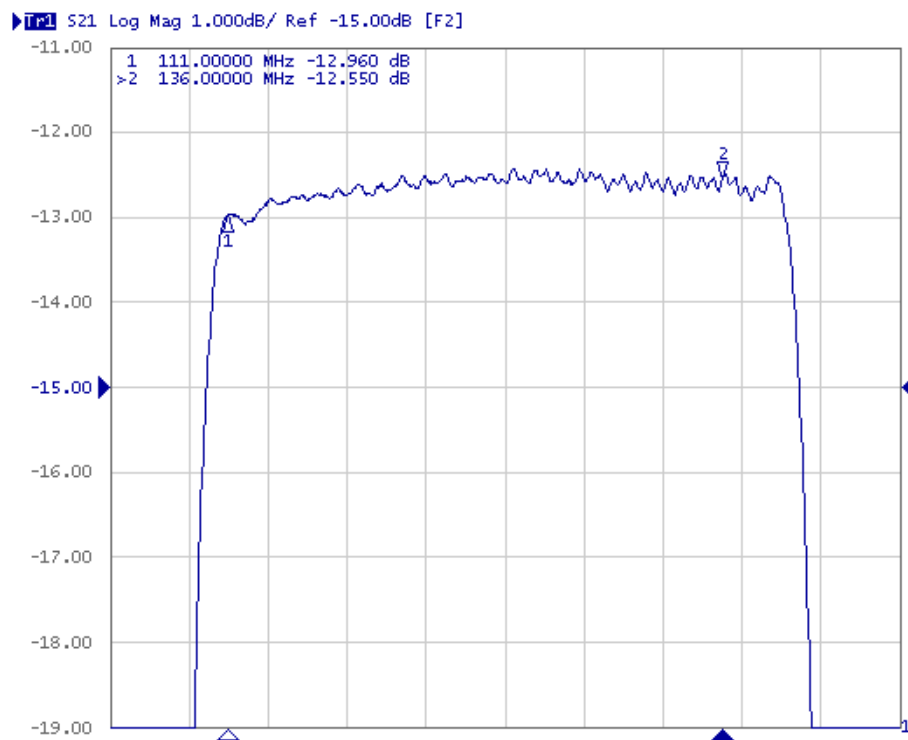


Fig. 2 Inband ripplen Horizontal: 4MHz/Div; Vertical: 1dB/Div

3. S21 Response

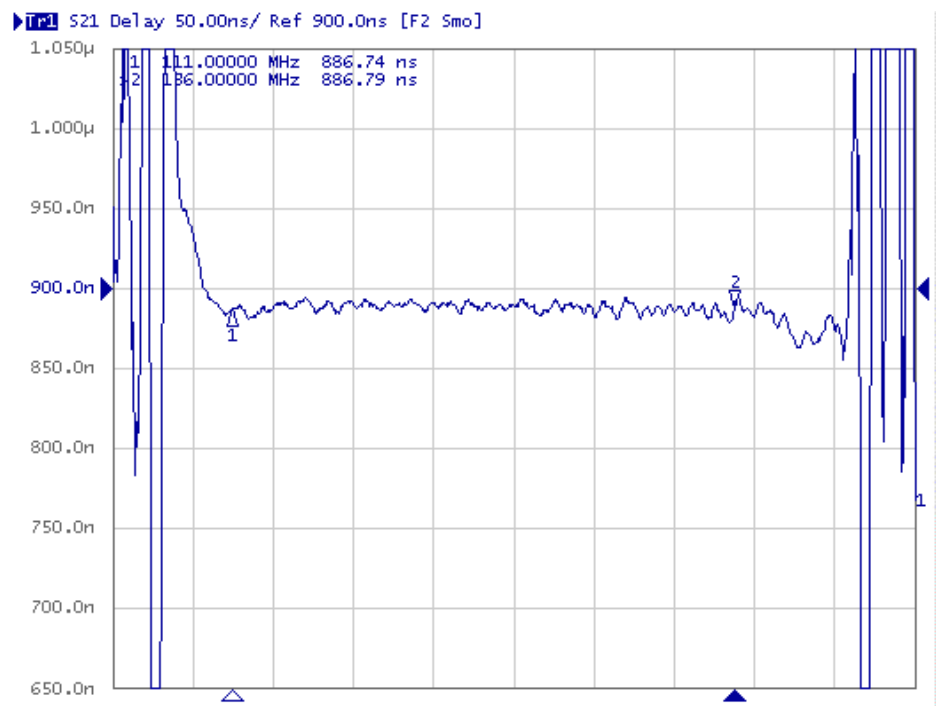


Fig. 3 Group Delay Horizontal: 4MHz/Div; Vertical: 50nS/Div

4. Wide band Response

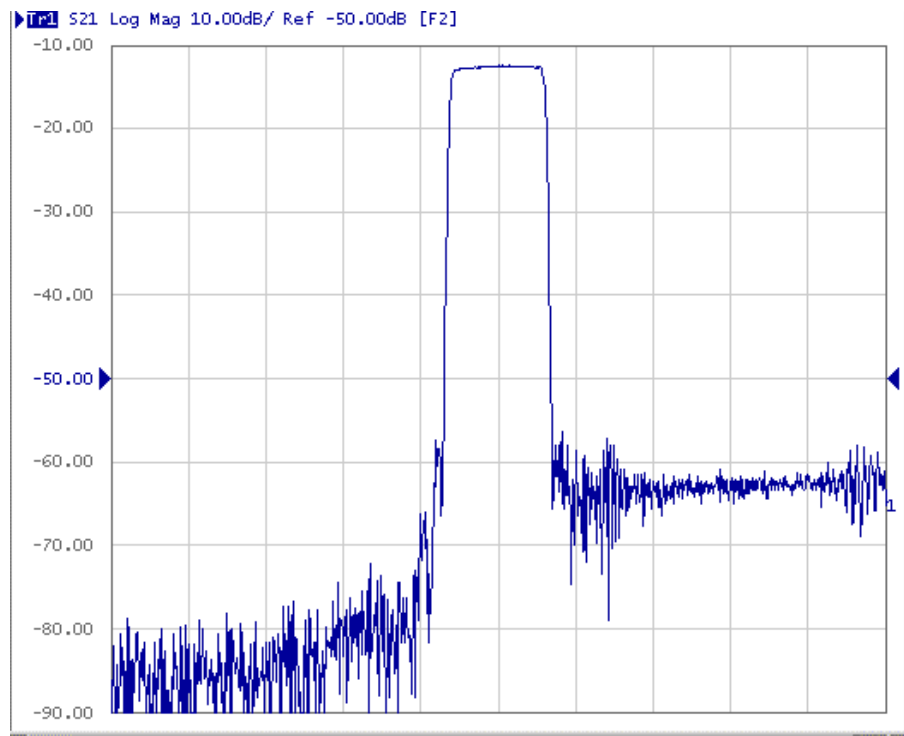
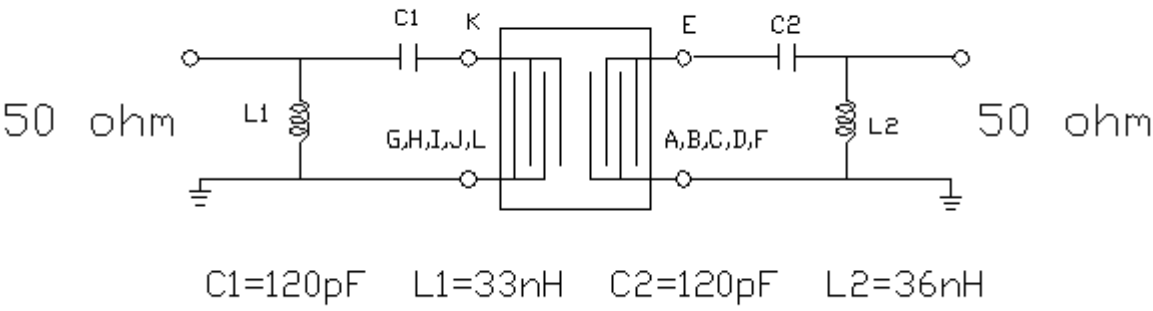
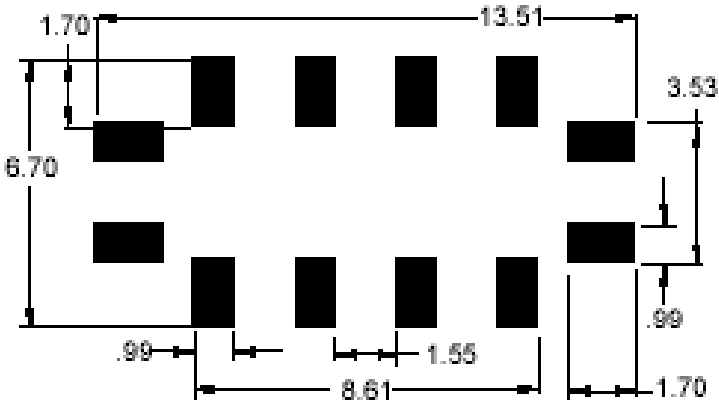


Fig. 2 Wide band Horizontal: 25MHz/Div; Vertical: 10dB/Div

E. TEST FIXTURE :

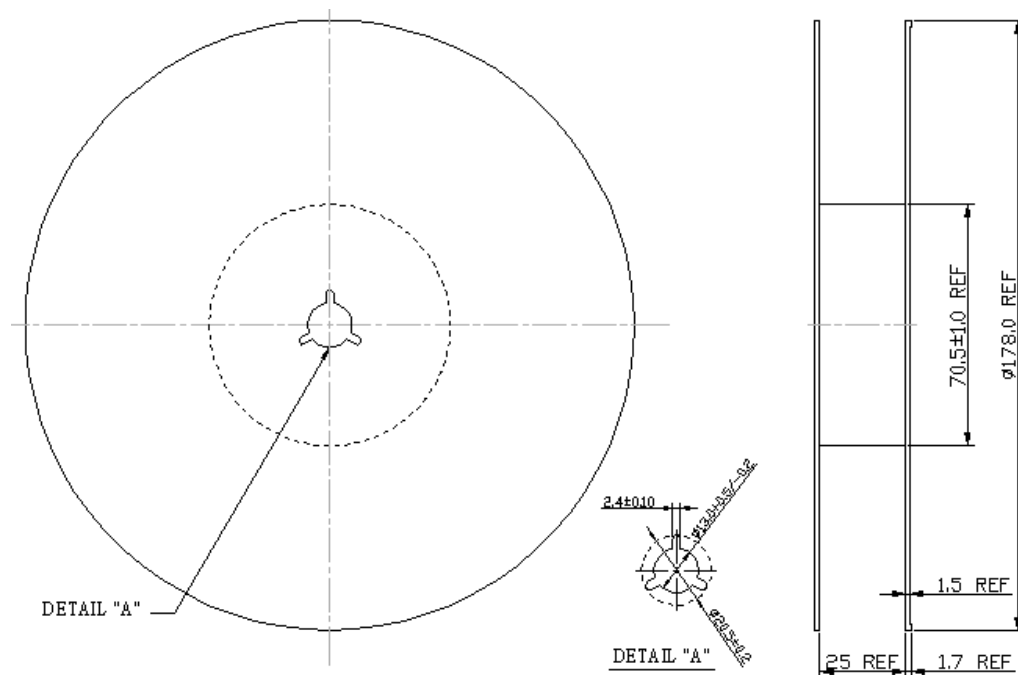


F. PCB FOOTPRINT



G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

