TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.
TEL: 886-3-4690038 FAX: 886-3-4697532
E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

Approval Sheet For Product Specification

Issued Date:

Product Name: IF SAW Filter 35.46 MHz (SMD 13.3mmX6.5mm)

TST Parts No.:TB0386A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Andy Lee_____

Approval by:_____Francis Chen_____

Date:_____2006/11/01_____

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IF SAW Filter 35.46 MHz SMD 13.3mmX6.5mm

MODEL NO.: TB0386A REV. NO. 1

A. MAXIMUM RATING:

1.Operating Temperature: -40 °C ~ +85 °C

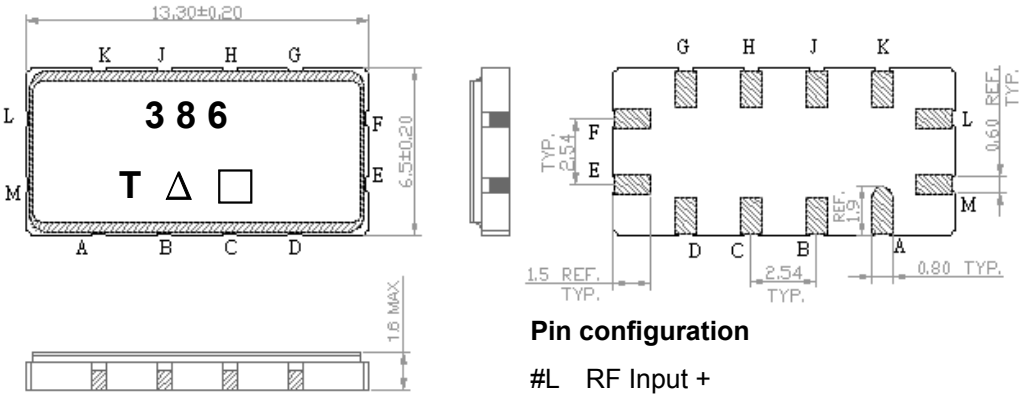
3. Storage Temperature: -40 °C ~ +85 °C

B. Characteristics :

1. Ambient Temperature: 25 °

Characteristics		Value			Note.
		Min.		Max.	
Center frequency F_C	MHz	-	35.46	-	-
Maximum Insertion loss I.L.	dB	-	17.4	20.0	-
1dB Bandwidth	MHz	-	8.82		
21dB Bandwidth	MHz	-	10.8	11.4	
30dB Bandwidth	MHz	-	11.4	12.0	
Passband Ripple (Fc±4 MHz)	dB	-	0.9	1.6	-
Group Delay Ripple (Fc±4 MHz)	nS	-	180	300	-
Temp Coefficient	ppm/° C		-87		
Attenuation:(Reference level from minimum insertion loss)					
1) DC~ 28 MHz	dB	35	50	-	-
2) 28MHz ~ 29.46 MHz	dB	30	46	-	-
3) 29.46MHz ~ 29.72 MHz	dB	21	51		
4) 41.46MHz ~ 45.00 MHz	dB	15	29		
5) 45MHz ~ 50 MHz	dB	35	40		
5) 50MHz ~ 110 MHz	dB	15	26		

C.OUTLINE DRAWING:



Pin configuration

#L RF Input +

#M RF Input -

#E RF Output +

#F RF Output -

#A,B,C,D,G,H,J,K To be ground

□ : Week Code (Follow the table from planner each year)

Unit : mm

△ : Product / Year Code

Year	2005 2009	2006 2010	2007 2011	2008 2012
Product Code	B	b	B	b

D. Frequency Characteristics :

1. S21 Response

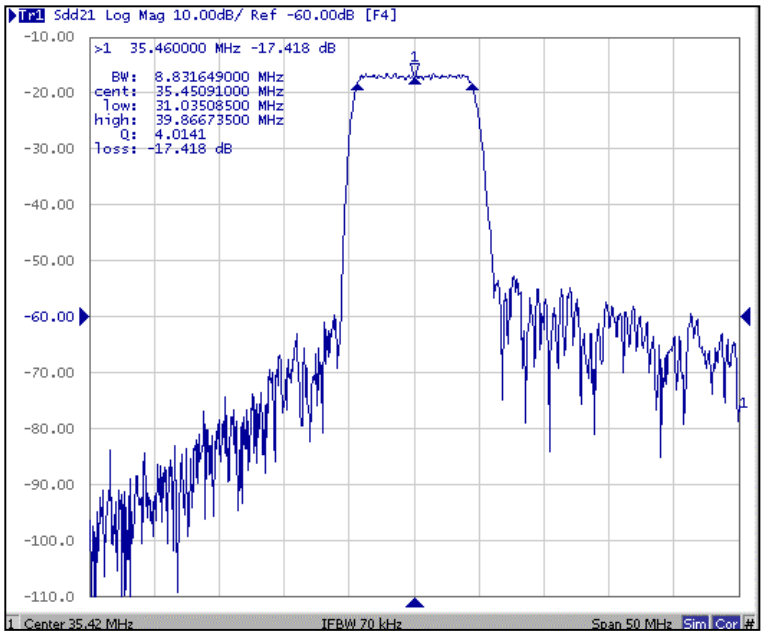


Fig-1 S21 Response Horizontal: 5MHz/Div Vertical: 10dB/Div

2. Pass band Ripple and Group Delay Ripple

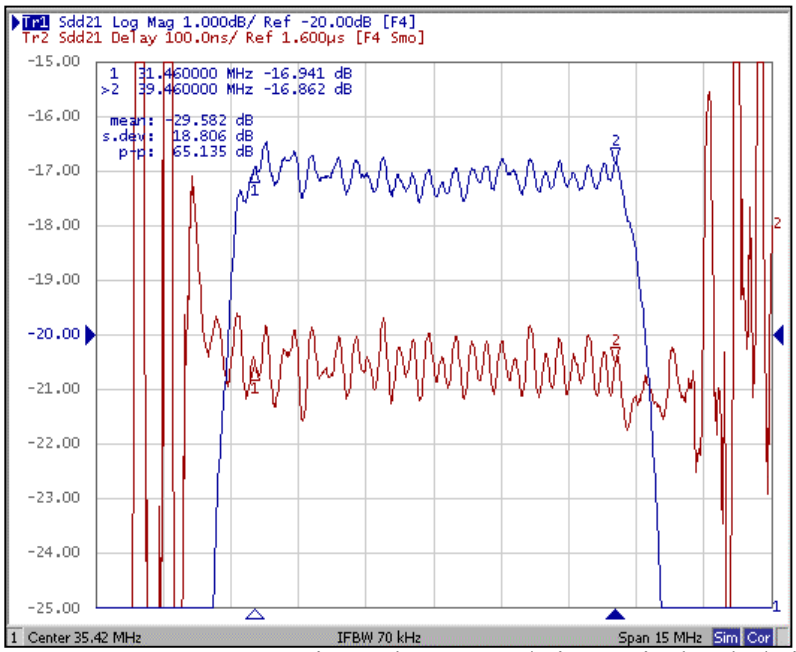


Fig-2 S21 Response Horizontal: 1.5MHz/Div Vertical: 1dB/Div
100ns/Div

3. Wideband Response

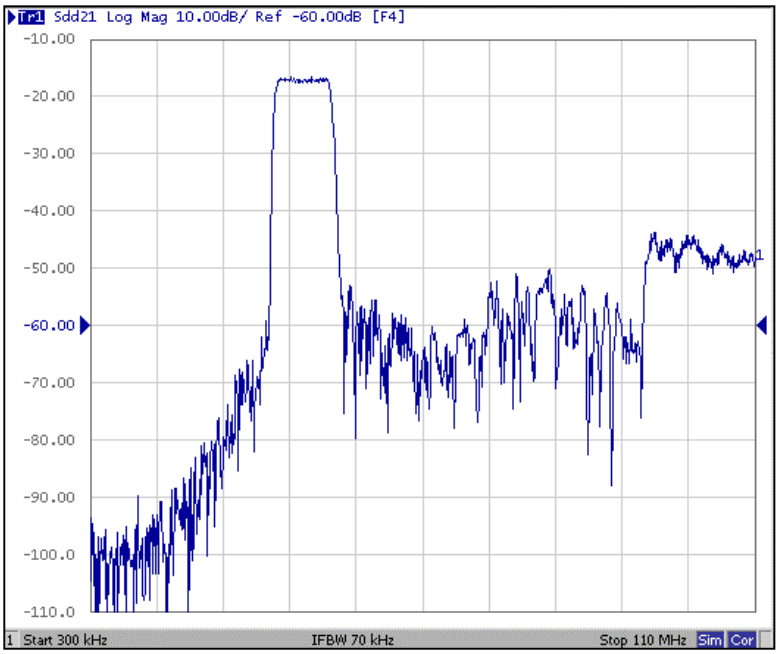
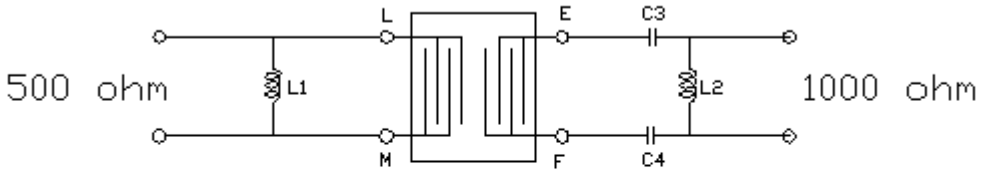


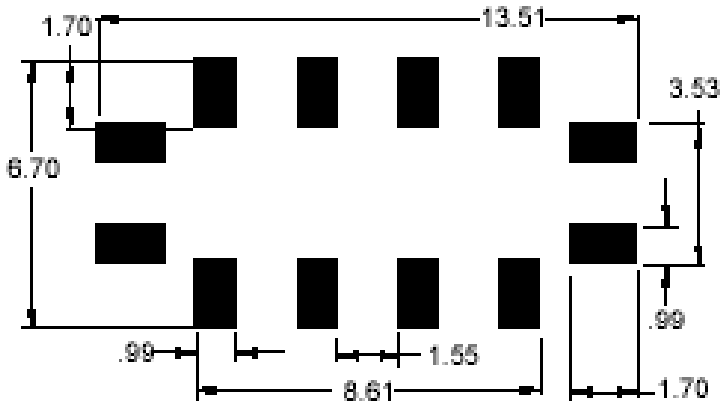
Fig-2 S21 Response Horizontal: 11MHz/Div Vertical: 1dB/Div

E. TEST FIXTURE :



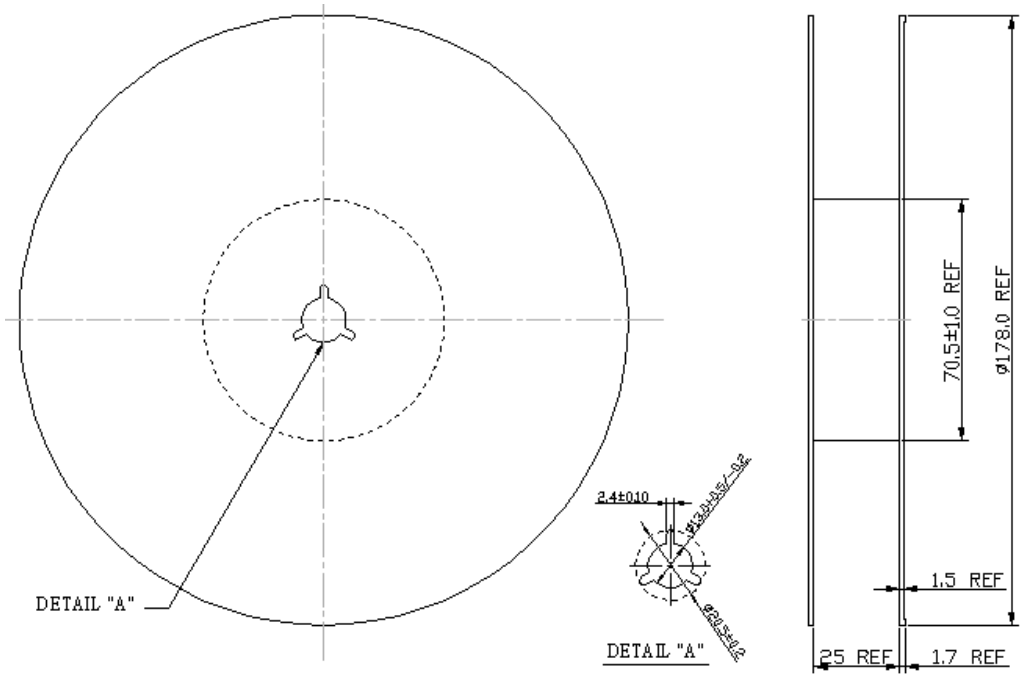
C1=C2=100pF L1=390nH L2=1560nH

F. PCB FOOTPRINT



G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION