



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date:

Product Name: IF SAW Filter 140 MHz (SMD 13.3mmX6.5mm)

TST Parts No.:TB0390A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Andy Lee

Approval by:_____ Francis Chen

Date:_____ 2006/6/28



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IF SAW Filter 140 MHz SMD 13.3mmX6.5mm

MODEL NO.: TB0390A

Rev. No. 1

A. MAXIMUM RATING:

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

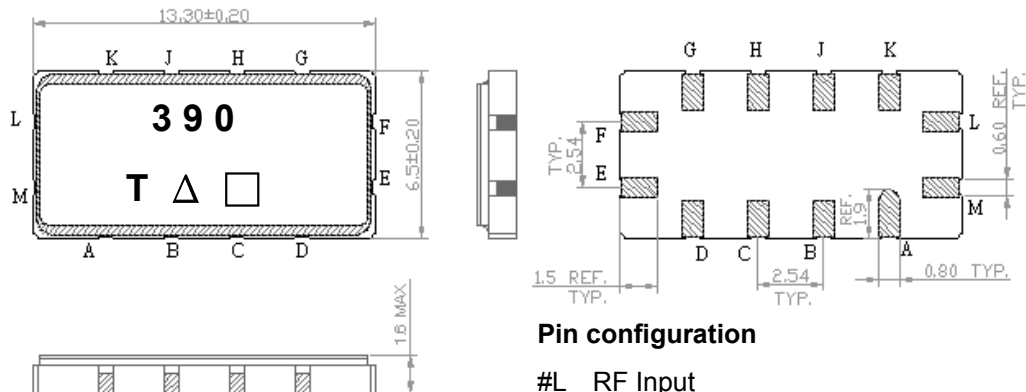
RoHS Compliant
Lead free
Lead-free soldering

B. Characteristics :+-+--+

1. Ambient Temperature: 25 °

Characteristics		Value			Note.
		Min.		Max.	
Center frequency	F _C MHz	139.75	140.0	140.25	-
Maximum Insertion loss	I.L. dB	-	10.7	14.0	-
1dB Bandwidth	MHz	5.50	5.87	-	-
3dB Bandwidth	MHz	-	6.73	-	-
40dB Bandwidth	MHz	-	9.98	11.00	-
Passband Ripple (F _C ±2.3MHz)	MHz	-	0.73	1.20	-
Group Delay Ripple (F _C ±2.3MHz)	nS	-	70	100	-
Group Delay at F _C	uS	-	0.93	1.00	-
Phase linearity at (F _C ±2.3MHz)	P-P Deg	-	8.0	15.0	-
Temp Coefficient	ppm/° C	-	-25	-	-
Attenuation:(Reference level from minimum insertion loss)					
1)	DC ~ 123 MHz	dB	40	45	-
2)	157MHz ~ 400 MHz	dB	42	48	-
2)	400MHz ~ 500 MHz	dB	25	46	-

C.OUTLINE DRAWING:



Pin configuration

#L RF Input

#M RF Input ground

#E RF Output

#F RF Output ground

#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	<u>B</u>	<u>b</u>

D. Frequency Characteristics :

1. S21 Response

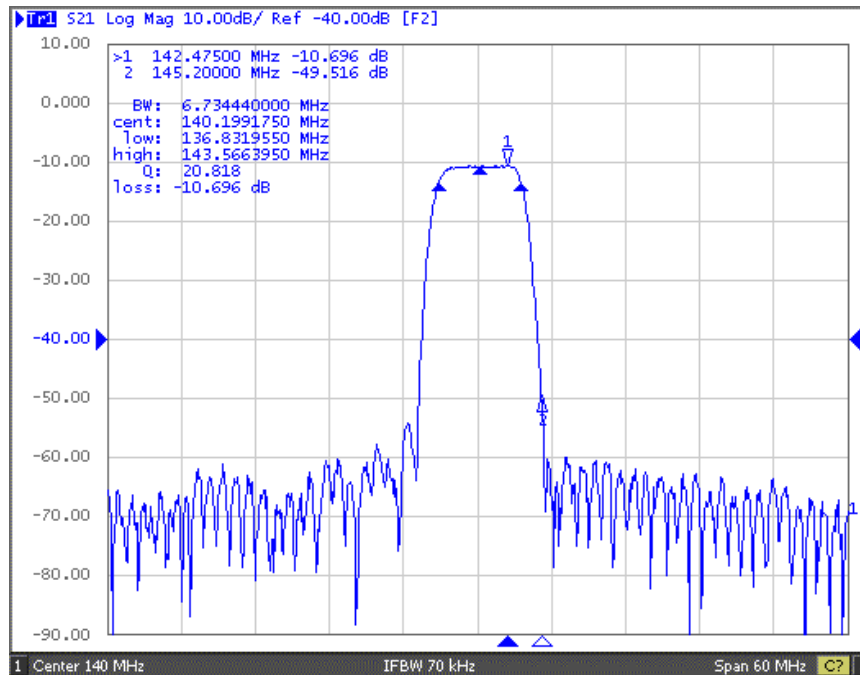


Fig1. Horizontal: 6MHz/Div Vertical: 10dB/Div

2. Pass band Ripple and Group Delay Ripple

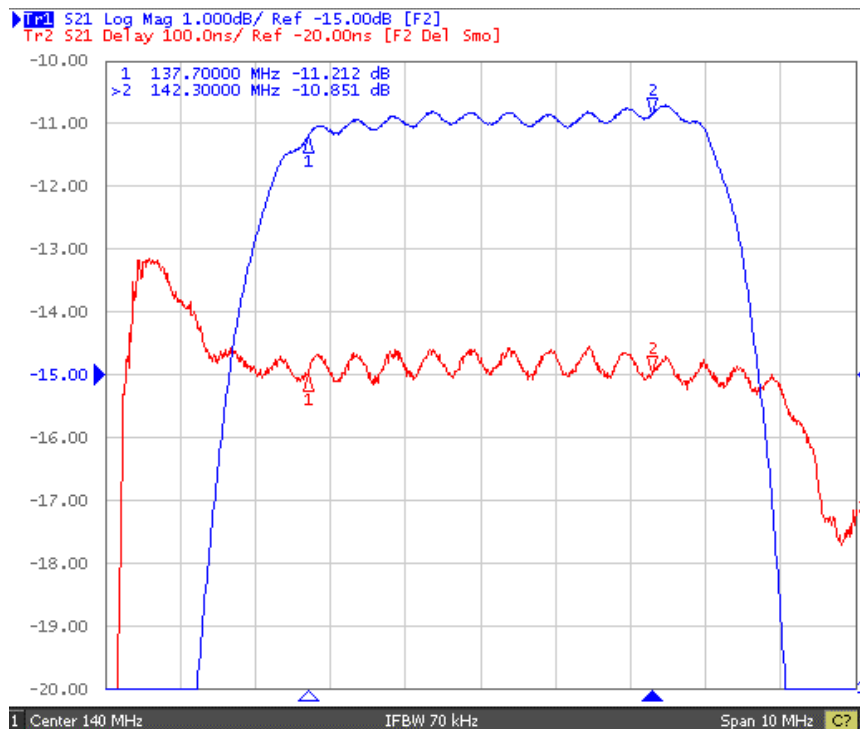
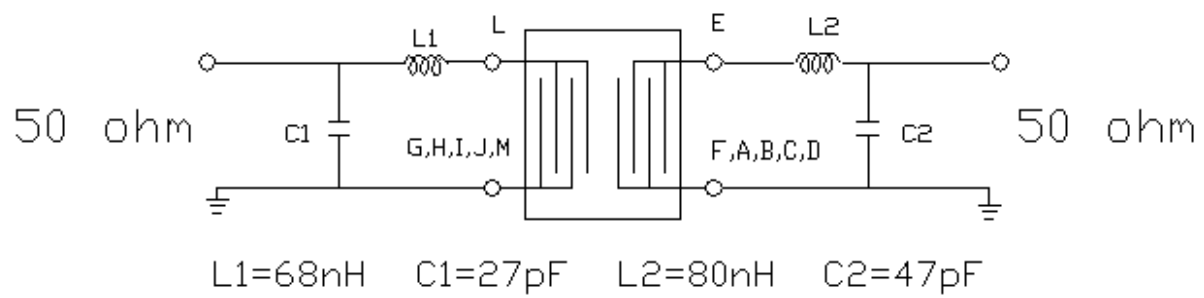
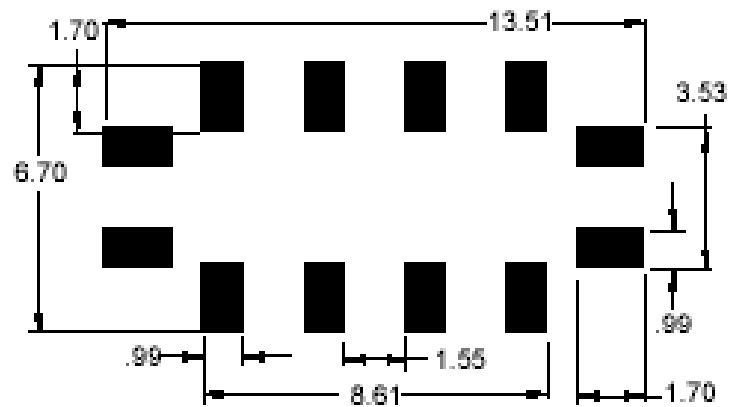


Fig2. Horizontal: 1MHz/Div; Vertical: 1dB/Div,
Vertical: 100nS

E. TEST FIXTURE :

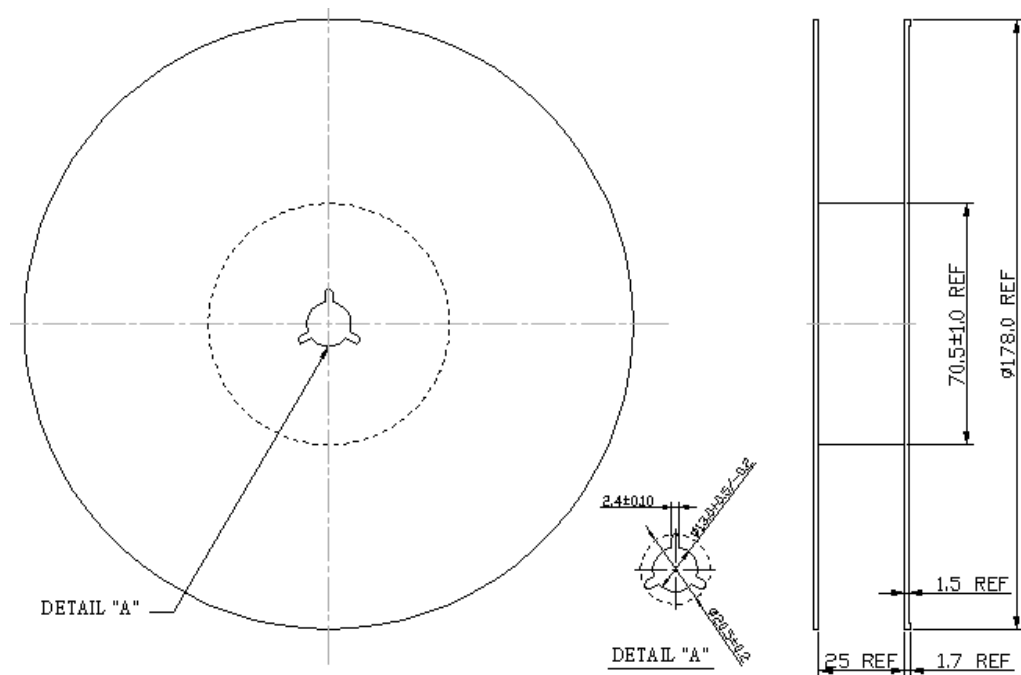


F. PCB FOOTPRINT



G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

