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 140 MHz (SMD 13.3mmX6.5mm)

TST Parts No.:TB0438A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Andy Lee_____

Approval by:_____Francis Chen_____

Date:_____2007/01/05_____

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

IF SAW Filter 140 MHz SMD 13.3mmX6.5mm

MODEL NO.: TB0438A Rev. No. 1

A. MAXIMUM RATING:

RoHS Compliant
Lead free
Lead-free soldering

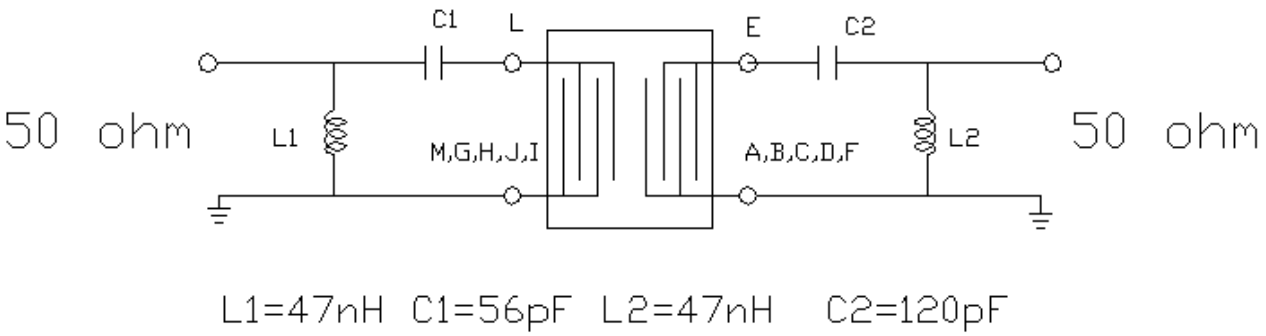
1.Operating Temperature: -5 °C ~ +85 °C
2.Storage Temperature: -55 °C ~ +80°C
3.Input Power Level: 10dBm

B. Characteristics :

1. Ambient Temperature: 25 °

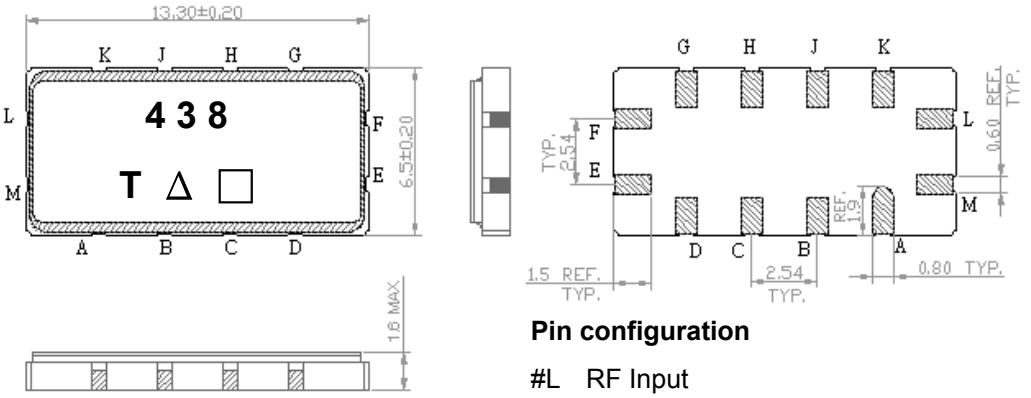
Characteristics		Value			Note.
		Min.	Typ.	Max.	
Center frequency F_C	MHz	-	140.0	-	-
Maximum Insertion loss I.L.	dB	-	8.5	10.5	-
1dB Bandwidth	MHz	9.6	12.4	-	-
3dB Bandwidth	MHz	12.0	14.7	-	-
40dB Bandwidth	MHz	-	25.5	40.0	-
Passband Ripple (Fc±4.8MHz)	MHz	-	0.7	1.0	-
Group Delay Ripple (Fc±4.8MHz)	nS	-	75	160	-
Temp Coefficient	ppm/° C	-	-94	-	-

C. TEST FIXTURE :



L1=47nH C1=56pF L2=47nH C2=120pF

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	B	b

D. Frequency Characteristics :

1. S21 Response

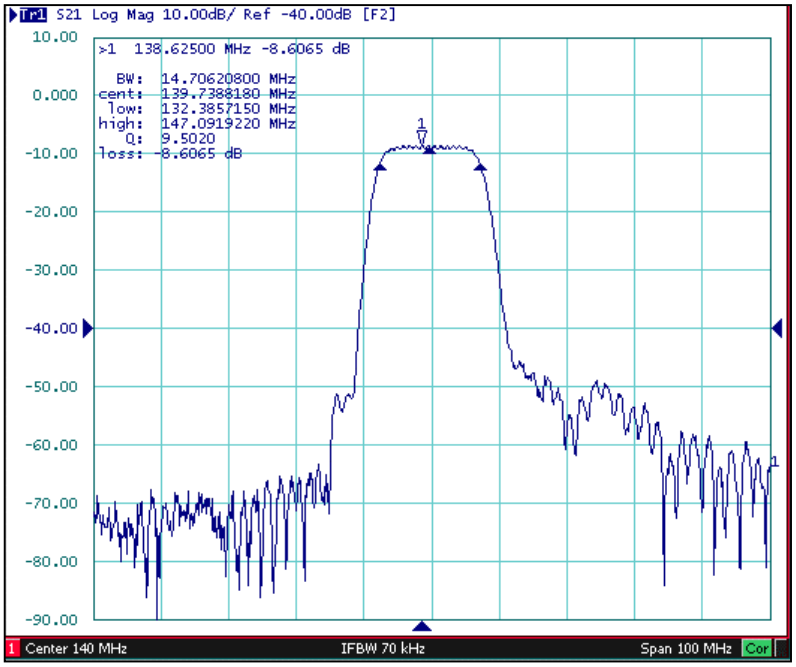


Fig1. Horizontal: 100MHz/Div Vertical: 10dB/Div

2. Pass band Ripple and Group Delay Ripple

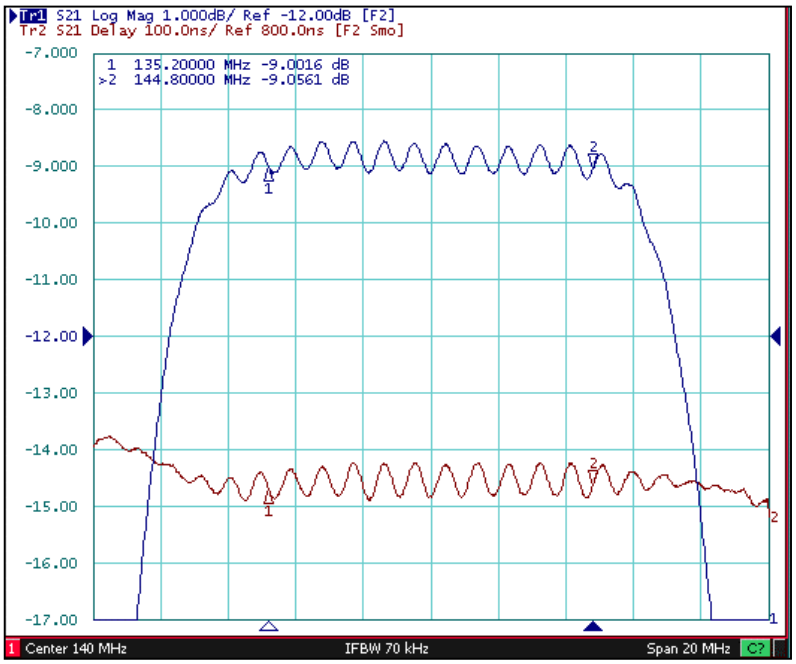
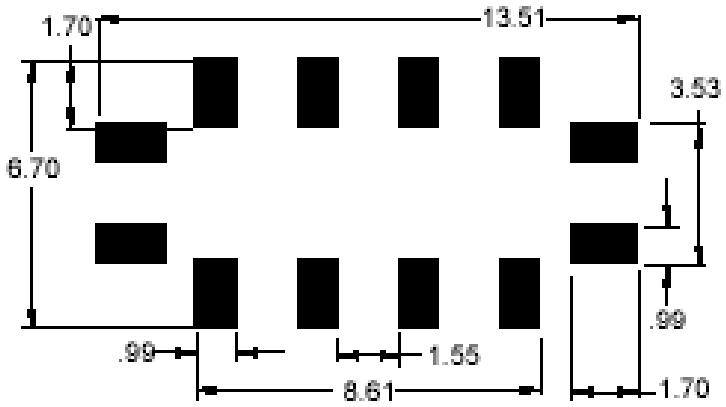


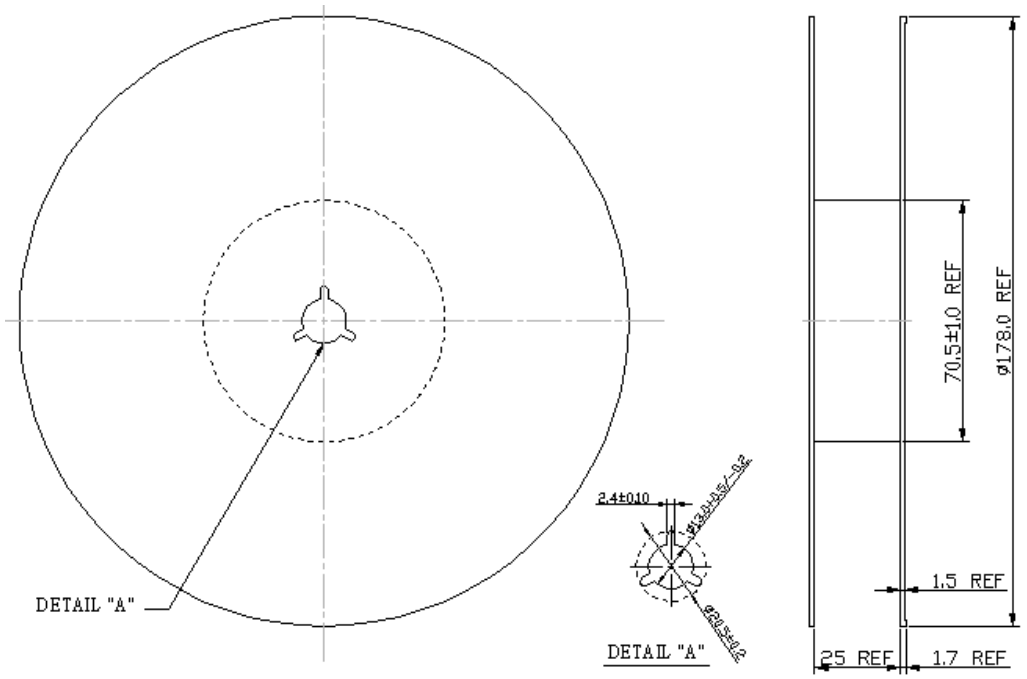
Fig2. Horizontal: 2MHz/Div; Vertical: 1dB/Div,
Vertical: 100nS/Div,

F. PCB FOOTPRINT



G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION