



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date:

Product Name: IF SAW Filter 374 MHz (SMD 5.0mmX5.0mm)

TST Parts No.:TB0530A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Andy Yu

Approval by: _____ Francis Chen

Date: _____ 2008/5/12



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IF SAW Filter 374MHz SMD 5.0X5.0mm

MODEL NO.: TB0530A

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 °C

Characteristics		Value			Note.	
		Min.		Max.		
Center frequency	F _C	MHz	-	374	-	-
Maximum Insertion loss	I.L.	dB	-	10.8	12.5	-
1dB Bandwidth		MHz	10.5	11.8	-	
3dB Bandwidth		MHz	-	13.4	-	
35dB Bandwidth		MHz	-	18.4	-	
Passband Ripple in F _C ±5.25 MHz		dB	-	0.7	1	-
Group Delay Ripple in F _C ±5.25 MHz		nS	-	34	100	-
Temp Coefficient		ppm/° C		-25		
Attenuation:(Reference level from minimum insertion loss)						
1)	279 ~ 346 MHz	dB	40	49	-	-
2)	346 ~ 357 MHz	dB	40	48	-	-
3)	357 ~ 361 MHz	dB	35	46	-	-
4)	387 ~ 391 MHz	dB	25	52	-	-
5)	391 ~ 425 MHz	dB	30	46	-	-
6)	425 ~ 469 MHz	dB	40	43	-	-

C. Frequency Characteristics :

1. S21 Response

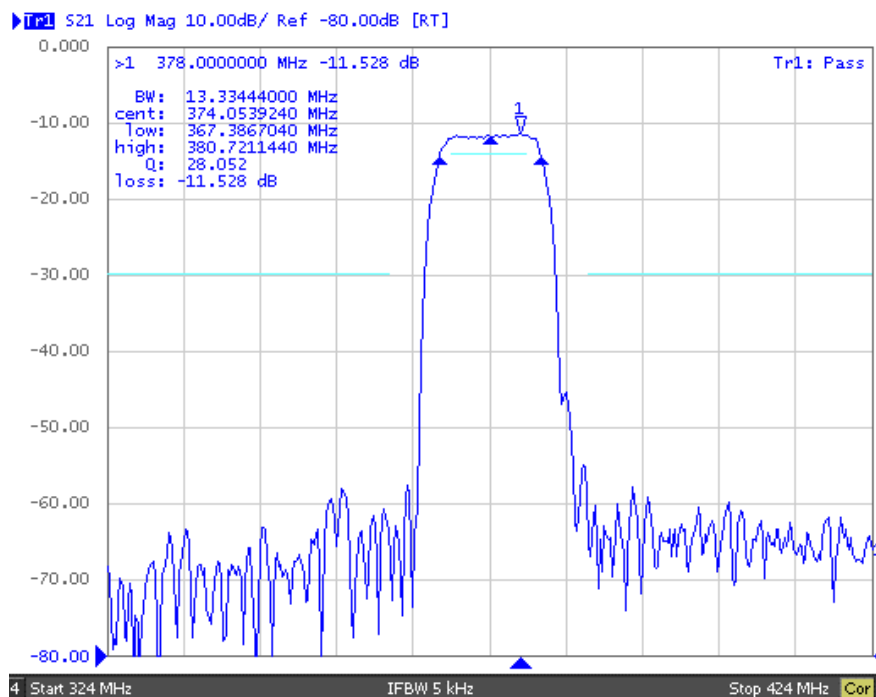


Fig. 1 Horizontal: 10MHz; Vertical: 10dB/Div

2. Passband Response

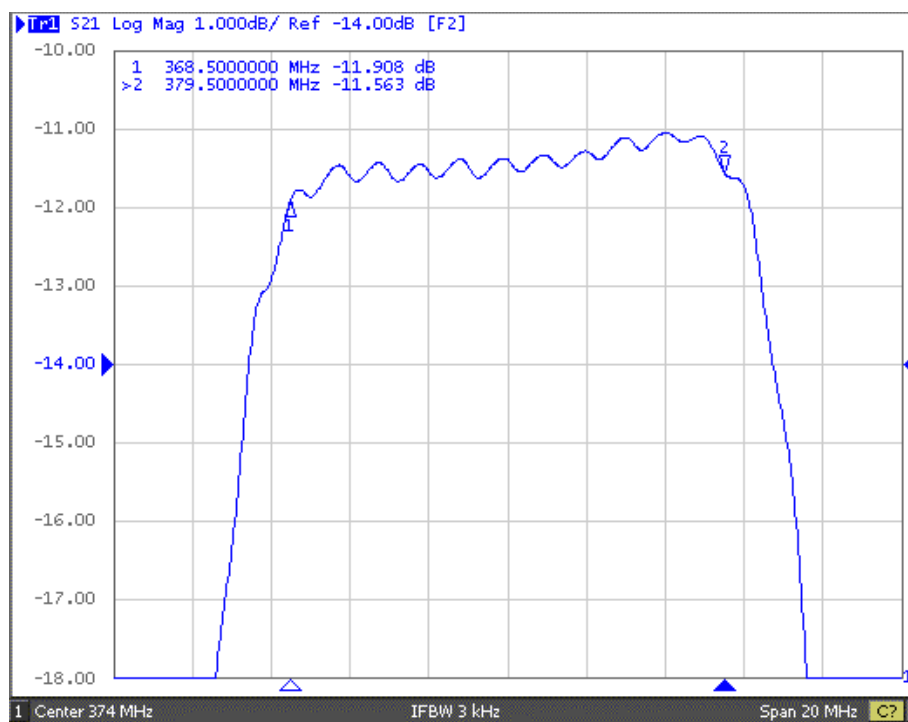


Fig. 2 Passband Horizontal: 2MHz; Vertical: 1dB/Div

3. Group Delay

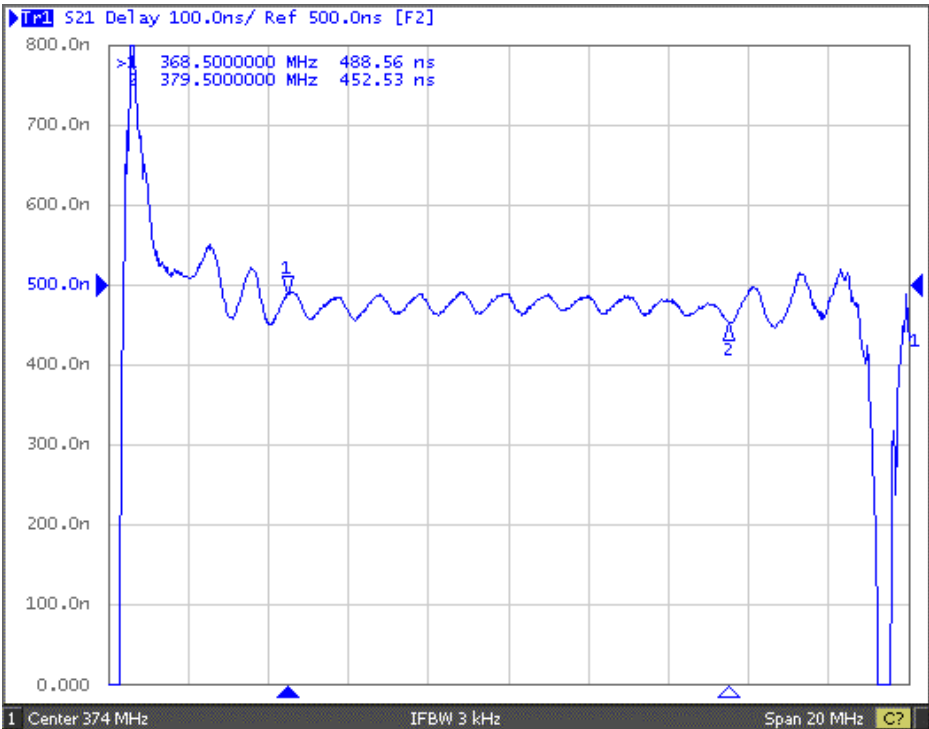
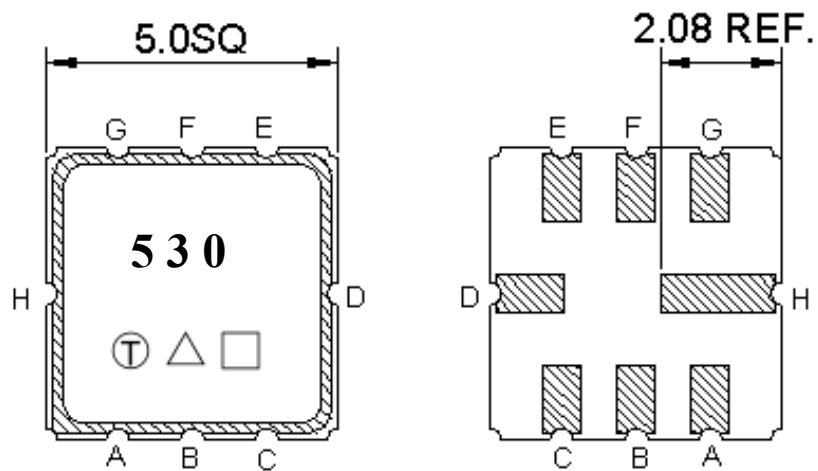


Fig. 3 Passband Horizontal: 2MHz; Vertical: 1dB/Div

D. Outline Drawing:



Pin configuration

#C RF Input

#B RF Input ground

#G RF Output

#F RF Output ground

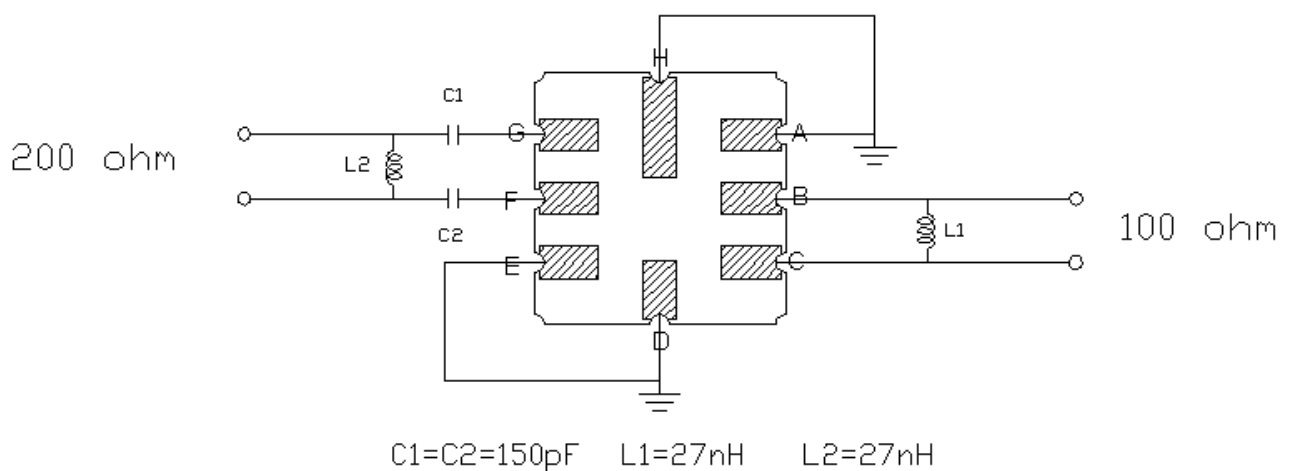
#A,D,E,H To be ground

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

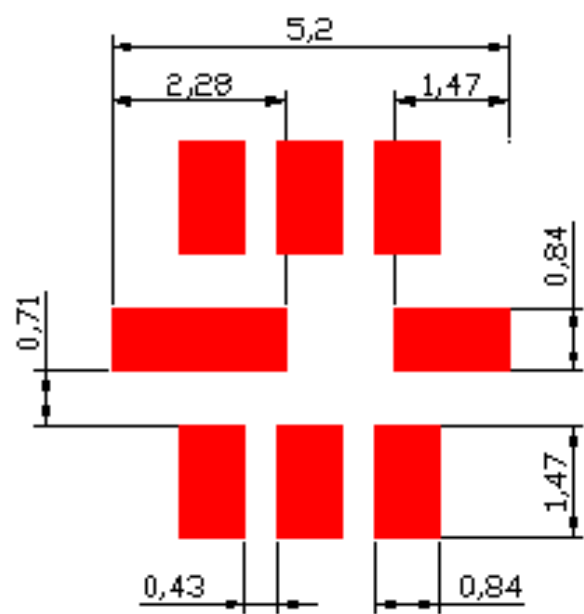
△ : Product / Year Code

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

E. Measurement Circuit:

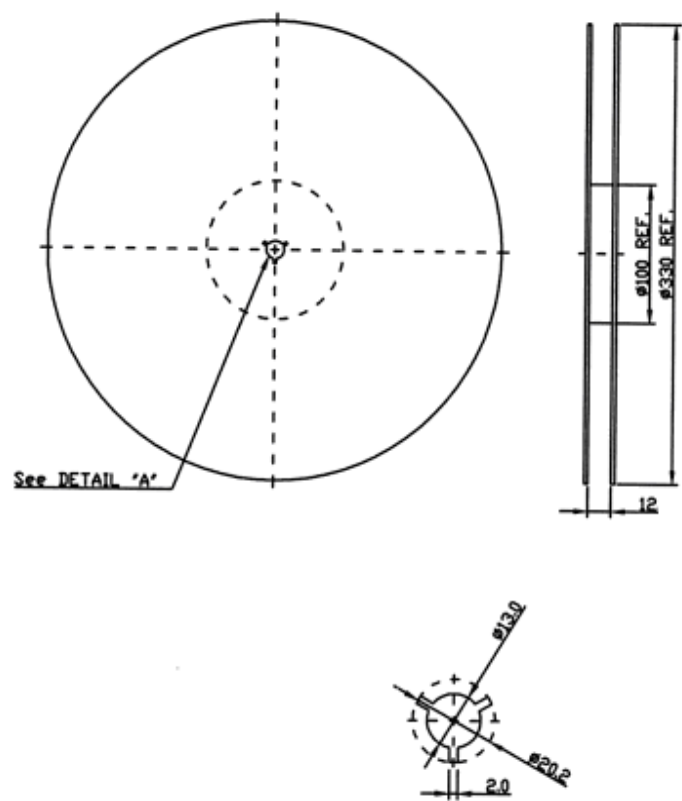


F. PCB Footprint

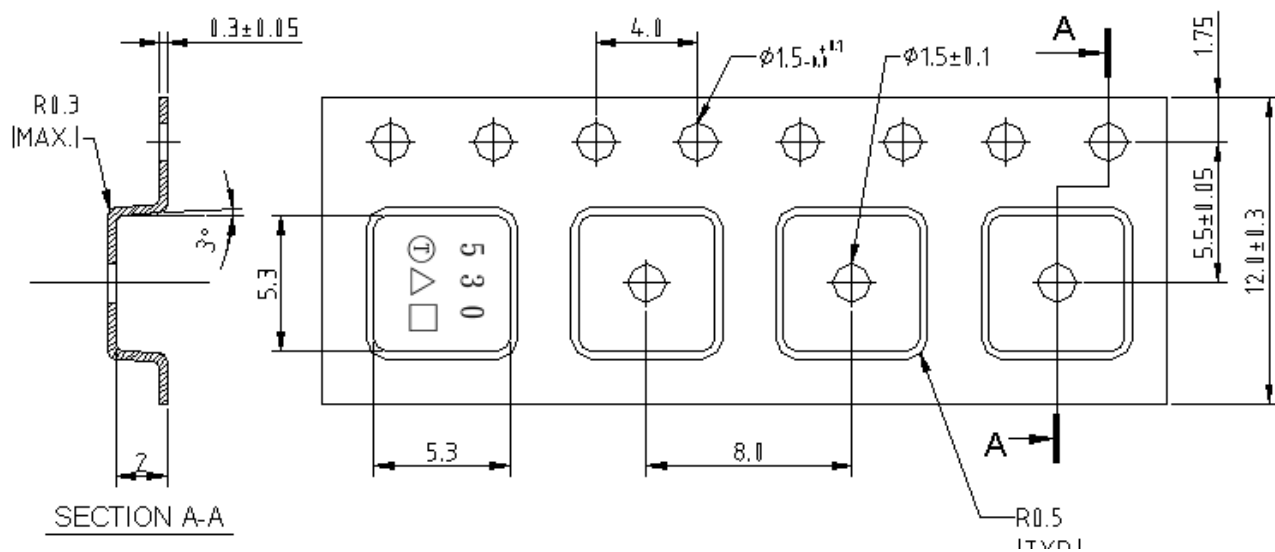


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. Recommended Reflow Profile:

