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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.:TB0501A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Andy Lee

Approval by:_____ Francis Chen

Date:_____ 2007/7/11



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IF SAW Filter 374MHz SMD 5.0X5.0mm

MODEL NO.: TB0501A

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	-	10.0	11.5	-	
1dB Bandwidth	MHz	10.5	11.7	-		
3dB Bandwidth	MHz	-	13.8	-		
35dB Bandwidth	MHz	-	19.9	-		
Passband Ripple in F _C ±5.25 MHz	dB	-	0.5	1	-	
Group Delay Ripple in F _C ±5.25 MHz	nS	-	35	100	-	
Temp Coefficient	ppm/° C		-25			
Attenuation:(Reference level from minimum insertion loss)						
1)	279 ~ 346 MHz	dB	40	51	-	-
2)	346 ~ 357 MHz	dB	40	50	-	-
3)	357 ~ 361 MHz	dB	35	46	-	-
4)	387 ~ 391 MHz	dB	25	42	-	-
5)	391 ~ 425 MHz	dB	30	47	-	-
6)	425 ~ 469 MHz	dB	40	52	-	-

C. Frequency Characteristics :

1. S21 Response

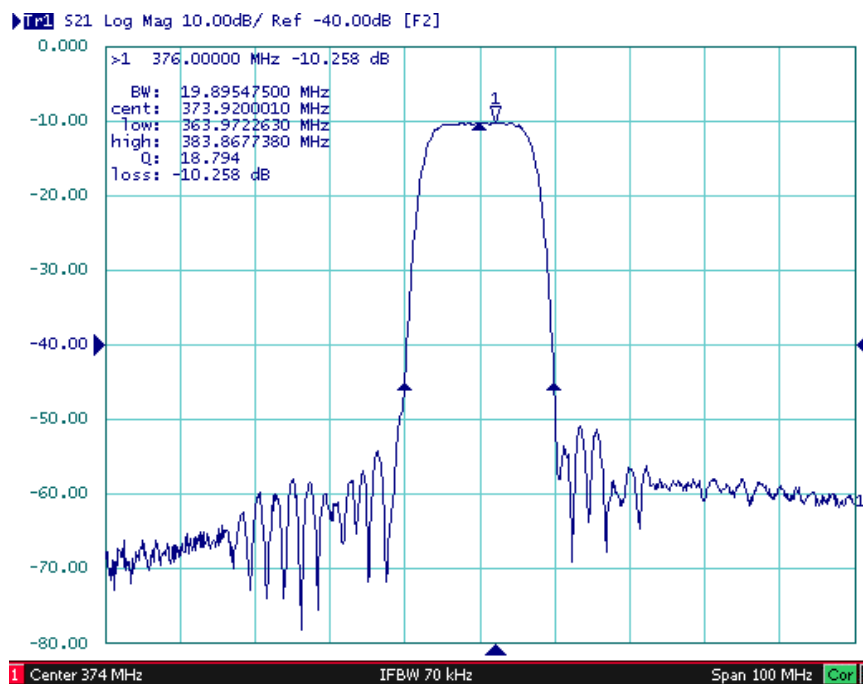


Fig. 1 Horizontal: 10MHz; Vertical: 10dB/Div

2. Passband Response

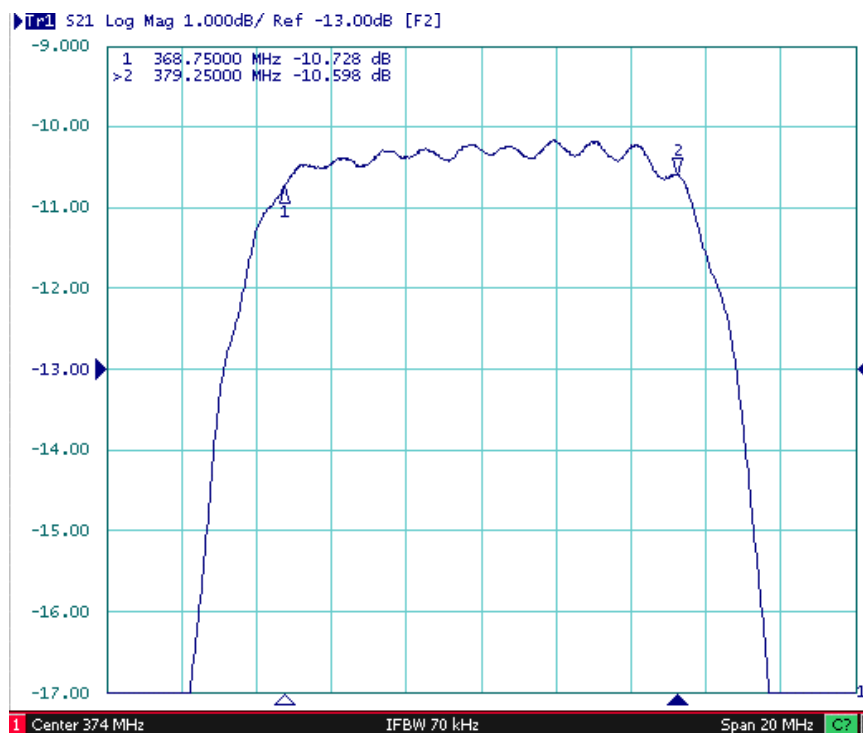


Fig. 2 Passband Horizontal: 2MHz; Vertical: 1dB/Div

3. Group Delay

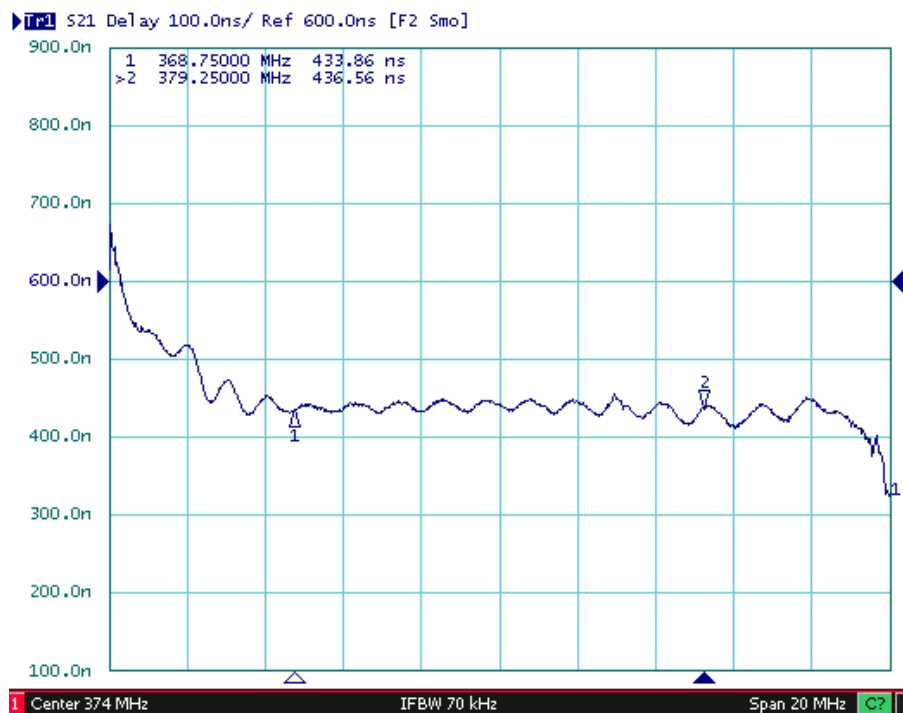


Fig. 3 Passband Horizontal: 2MHz; Vertical: 1dB/Div

4. Wide band

5.

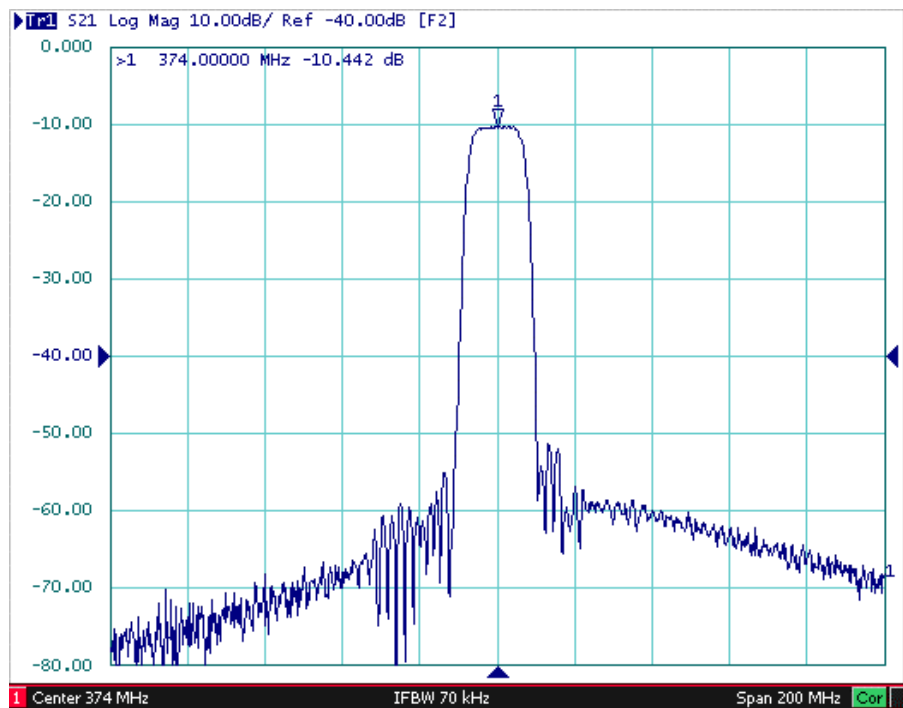
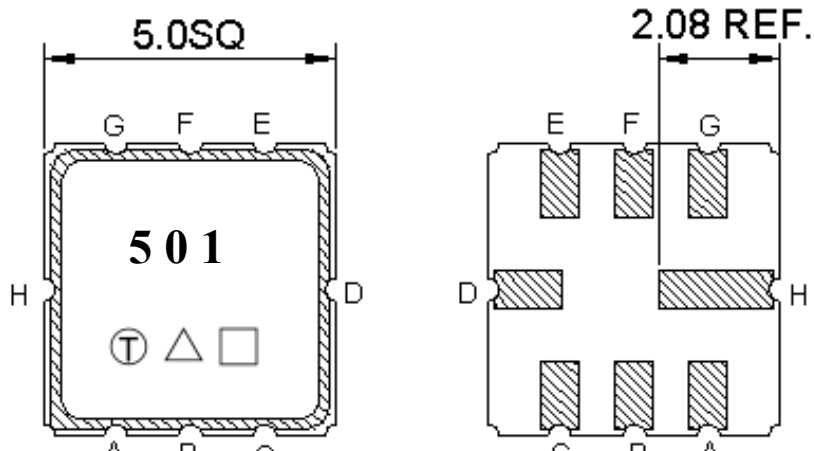


Fig. 4 Passband Horizontal: 20MHz; Vertical: 10dB/Div

D. Outline Drawing:



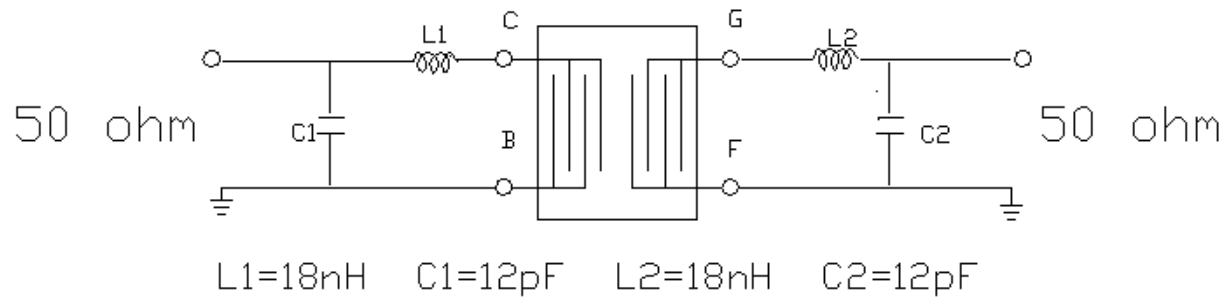
Pin configuration

- #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

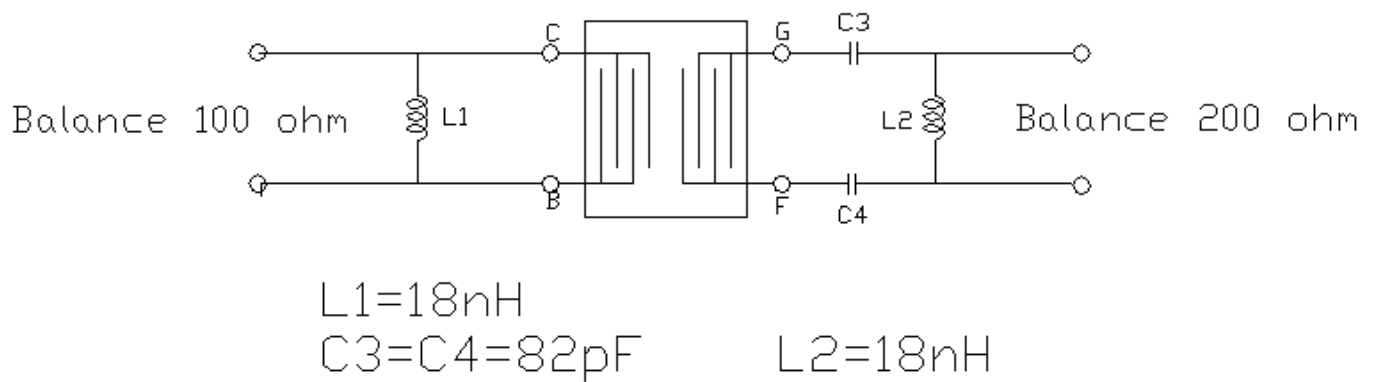
Year	2005 2009	2006 2010	2007 2011	2008 2012
Product Code	B	b	<u>B</u>	<u>b</u>

E. Measurement Circuit:

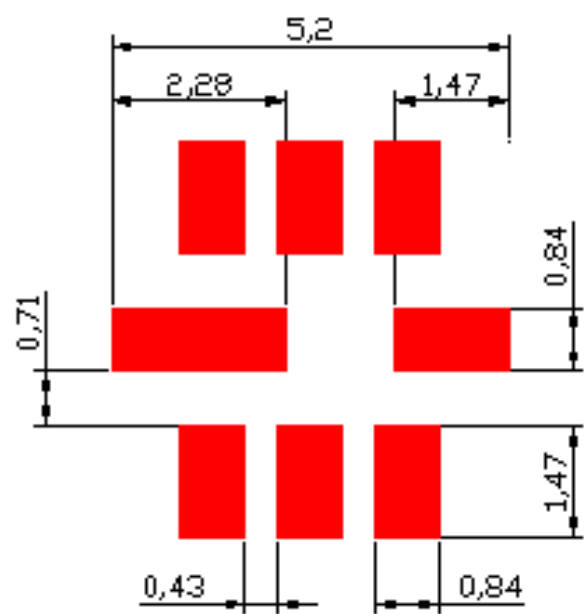
(1) Single end input 50 ohm to Single end output 50 ohm



(2) Balanced input 100 ohm to Balanced output 200 ohm

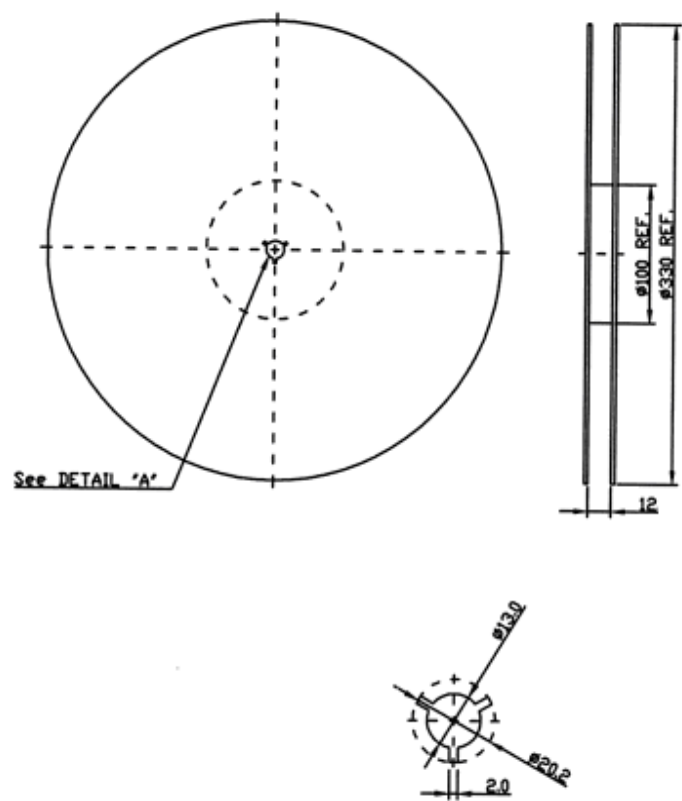


F. PCB Footprint



G. PACKING:

(1). REEL DIMENSION



(2). TAPE DIMENSION

