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Approval Sheet For Product Specification

Issued Date:

Product Name: IF SAW Filter 369 MHz (SMD 5.0mmX5.0mm)

TST Parts No.:TB0525A

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 369MHz SMD 5.0X5.0mm

MODEL NO.: TB0525A

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	-	369	-	-	
Maximum Insertion loss	I.L. dB	-	10.0	12.0	-	
1dB Bandwidth	MHz	10.5	11.5	-		
3dB Bandwidth	MHz	-	13.6	-		
35dB Bandwidth	MHz	-	18.6	-		
Passband Ripple in $F_C \pm 5.25$ MHz	dB	-	0.5	1	-	
Group Delay Ripple in $F_C \pm 5.25$ MHz	nS	-	50	100	-	
Temp Coefficient	ppm/° C		-18			
Attenuation:(Reference level from minimum insertion loss)						
1)	279 ~ 341 MHz	dB	40	50	-	-
2)	341 ~ 352 MHz	dB	40	48	-	-
3)	352 ~ 356 MHz	dB	35	44	-	-
4)	382 ~ 386 MHz	dB	25	52	-	-
5)	386~ 420 MHz	dB	30	46	-	-
6)	420 ~ 464 MHz	dB	40	43	-	-

C. Frequency Characteristics :

(1). S21 Response

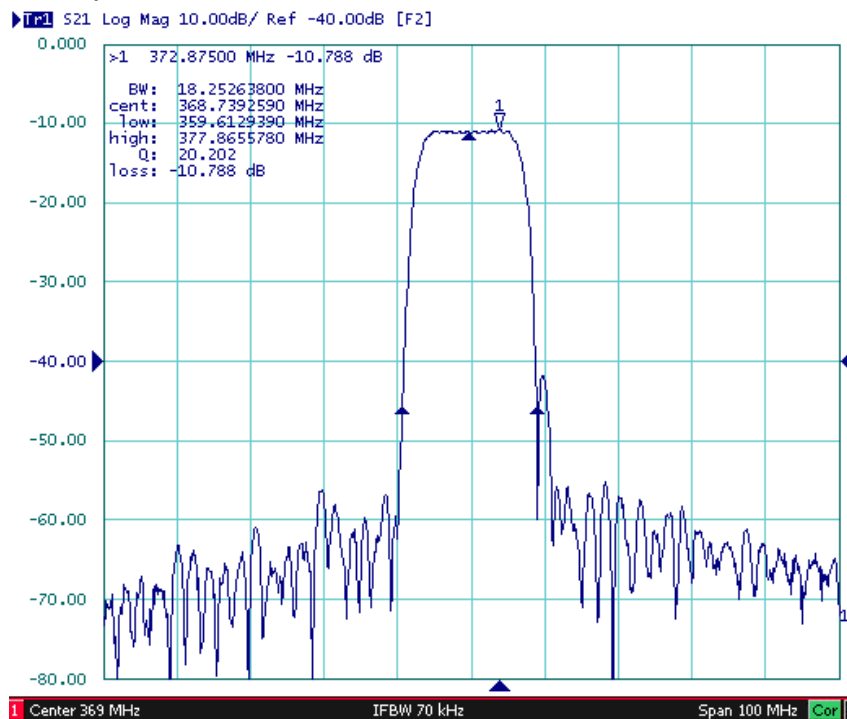


Fig. 1 Horizontal: 10MHz; Vertical: 10dB/Div

(2). Passband Response

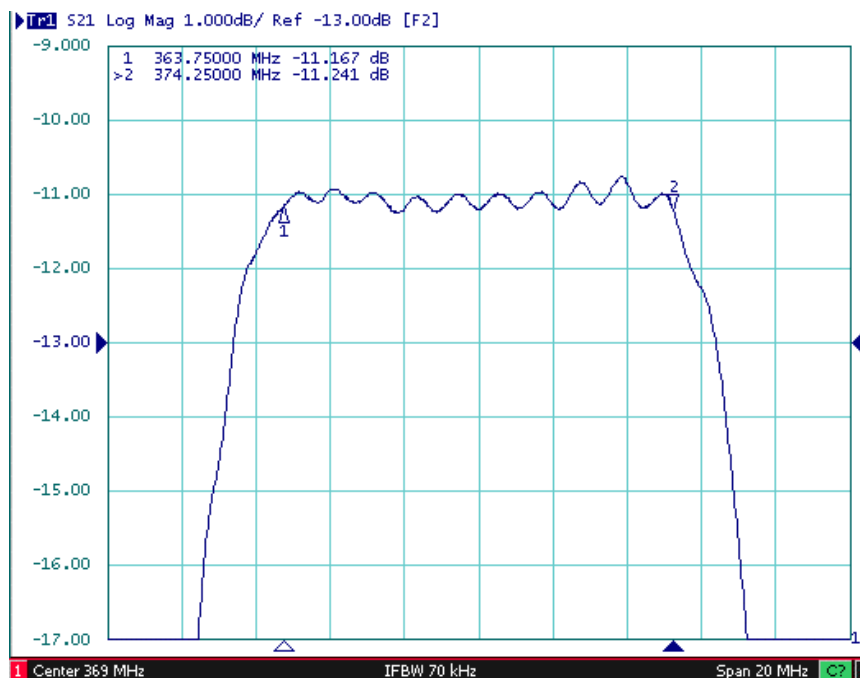


Fig. 2 Passband Horizontal: 2MHz; Vertical: 1dB/Div

(3). Group Delay

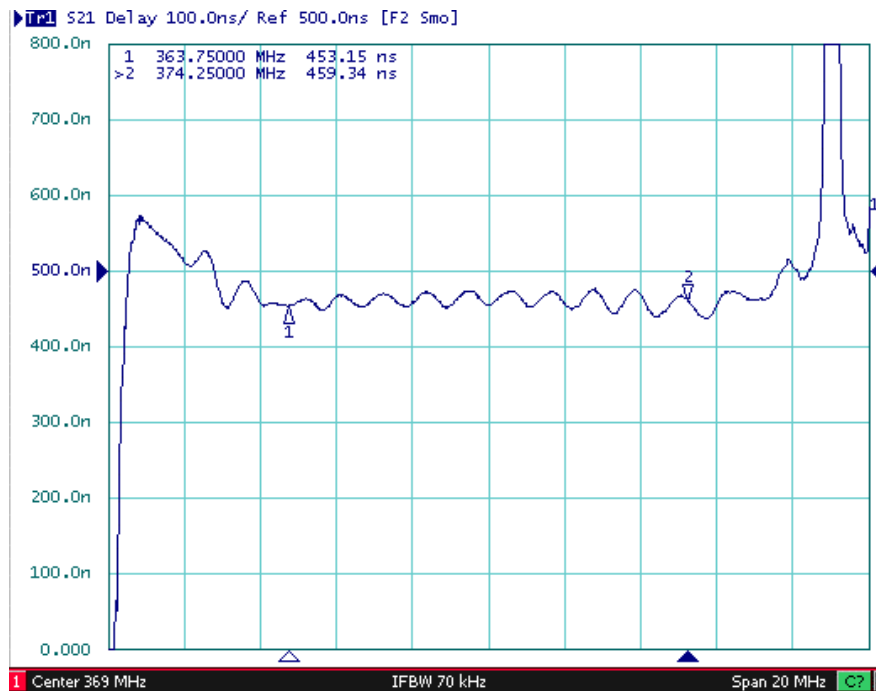
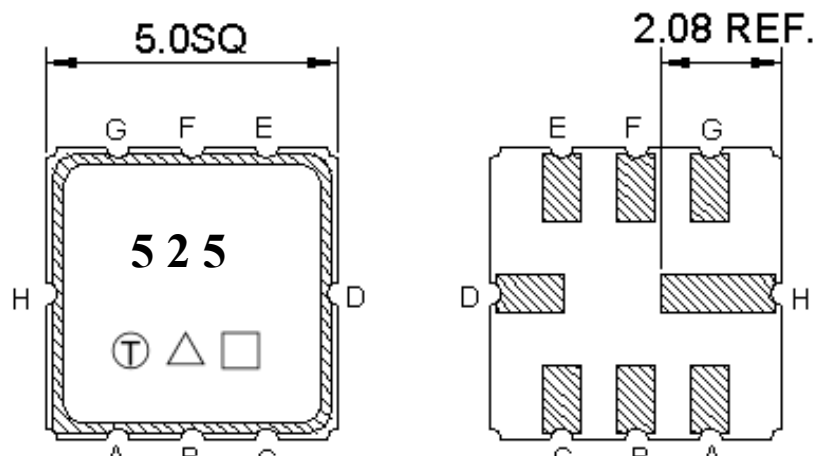


Fig. 3 Passband Horizontal: 2MHz; Vertical: 100nS/Div

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

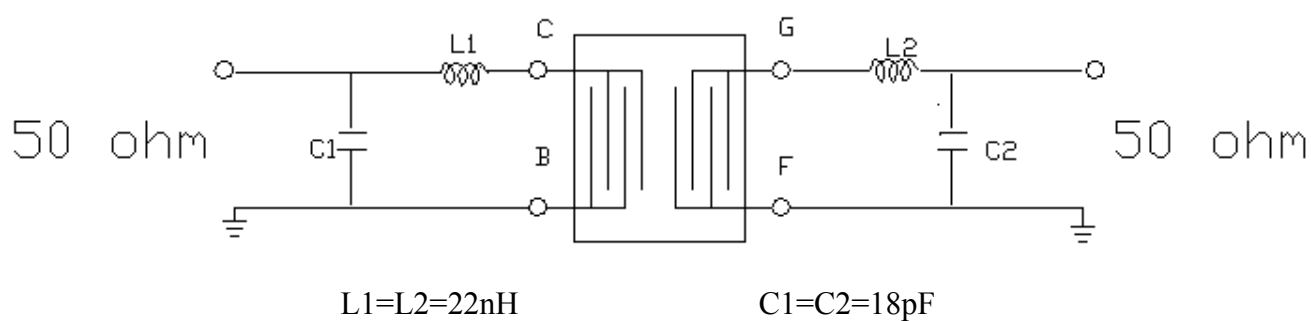
□ : Week Code (Follow the table from planner each year)

△ : Product / Year Code

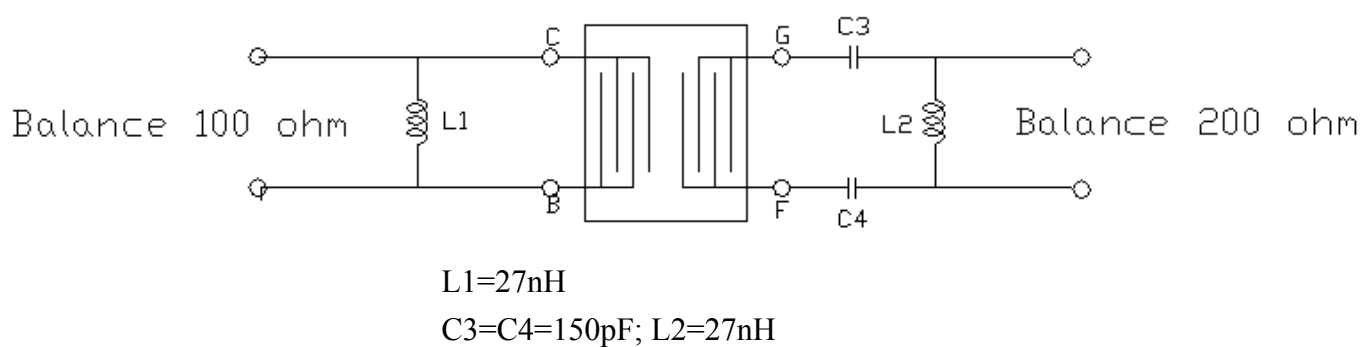
Year	2005 2009	2006 2010	2007 2011	2008 2012
Product Code	B	b	<u>B</u>	<u>b</u>

E. Measurement Circuit:

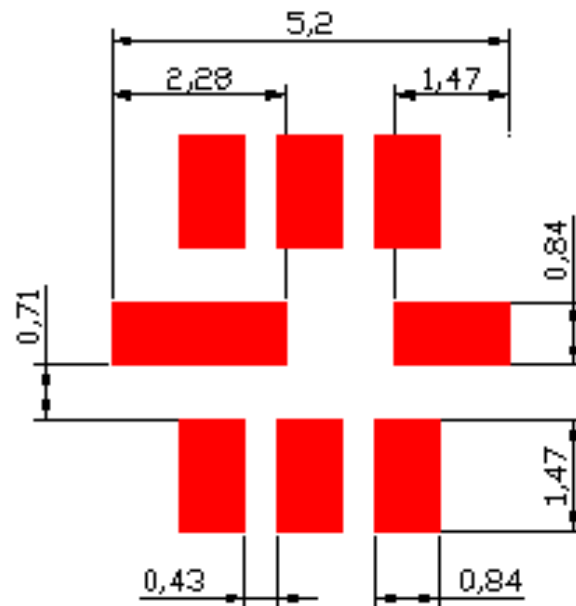
(1) Single ended input 50 ohm to Single ended output 50 ohm



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

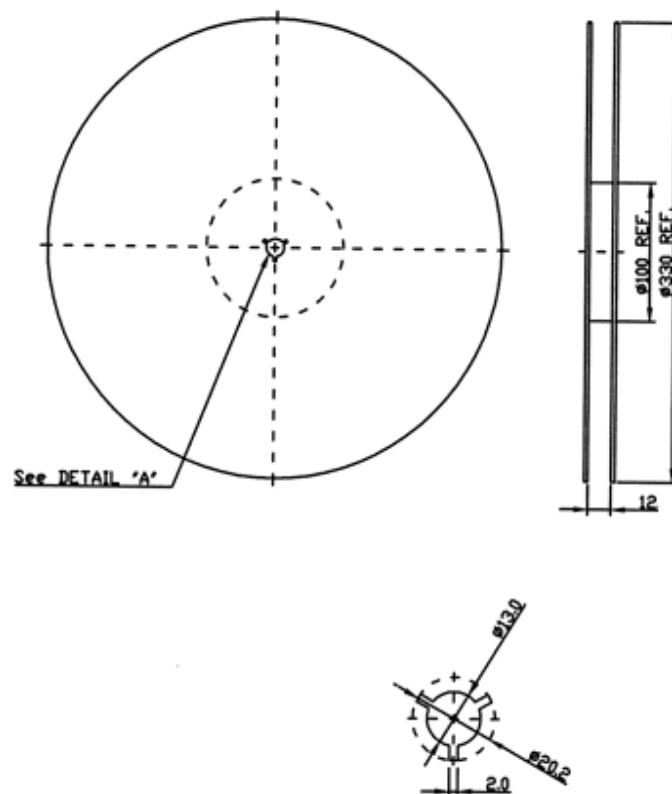


F. PCB Footprint



G. PACKING:

(1). REEL DIMENSION



[illegible]