



# TAI-SAW TECHNOLOGY CO., LTD.

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## Approval Sheet for Product Specification

Issued Date:

Product Name: 325 MHz IF SAW Filter (SMD 7.0×5.0 mm)

TST Parts No.: TB0398A

Customer Parts No.: \_\_\_\_\_

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: \_\_\_\_\_ Andy Lee

Approval by: \_\_\_\_\_ Francis Chen

Date: \_\_\_\_\_ 2006,11,01



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SAW Filter 325MHz (SMD 7.0×5.0 mm)

MODEL NO.: TB0398A

Rev. No. 2

## A. MAXIMUM RATING:

1. Operating Temperature: -10°C to 60°C
2. Storage Temperature: -40°C to 85°C

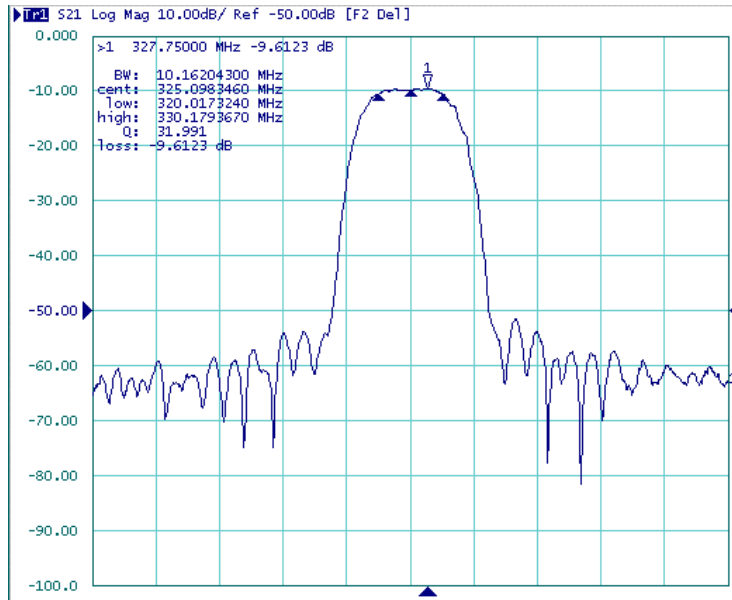
## B. Characteristics :

1. Ambient Temperature : 23°C

Item	Unit	Min.	Type.	Max.
Center frequency, <b>F<sub>c</sub></b>	MHz	-	325	-
Insertion Loss, <b>IL</b>	dB	-	9.6	14
Lower 3 dB Bandedge	MHz	-	318.3	320.0
Upper 3 dB Bandedge		330.0	331.3	-
Lower 40 dB Bandedge	MHz	307.5	312.8	-
Upper 40 dB Bandedge		-	337.4	342.5
Amplitude Ripple (321~329 MHz)	dB	-	0.4	1
Phase Linearity (320~330 MHz)	deg	-	5	-
Group Delay Ripple (320~330 MHz)	nsec	-	24	75
Relative Attenuation			-	
10 - 220 MHz	dB	45	50	
220 - 300 MHz	dB	40	46	
350 - 355 MHz	dB	40	48	
355 - 375 MHz	dB	35	48	
375 - 380 MHz	dB	40	51	
380 - 405 MHz	dB	35	49	
405 - 500 MHz	dB	40	48	
Source Impedance	Ohm	-	50	-
Load Impedance	Ohm	-	50	-
Temperature Coefficient	ppm/°C		-75	
Substrate Material	-	-	128 LiNbO3	-

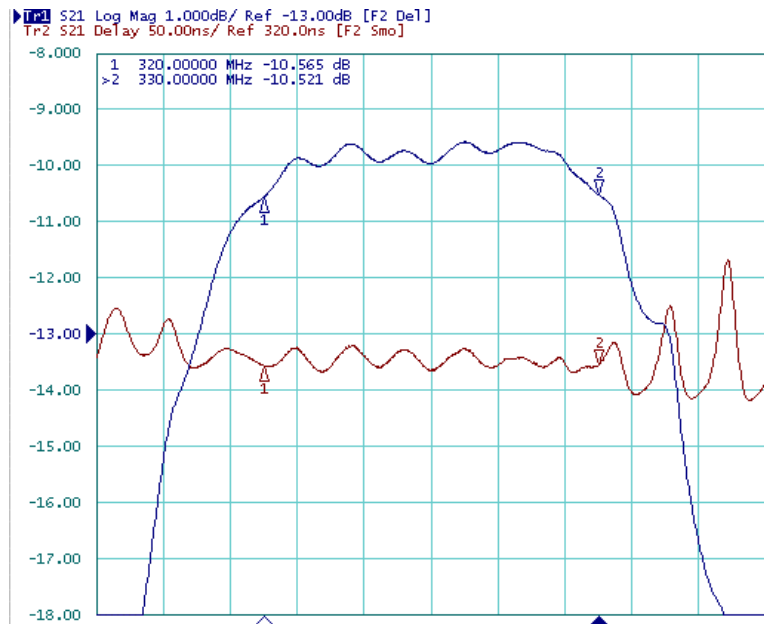
### C. Frequency Characteristics :

(1) S21 Response:(span 100MHz)



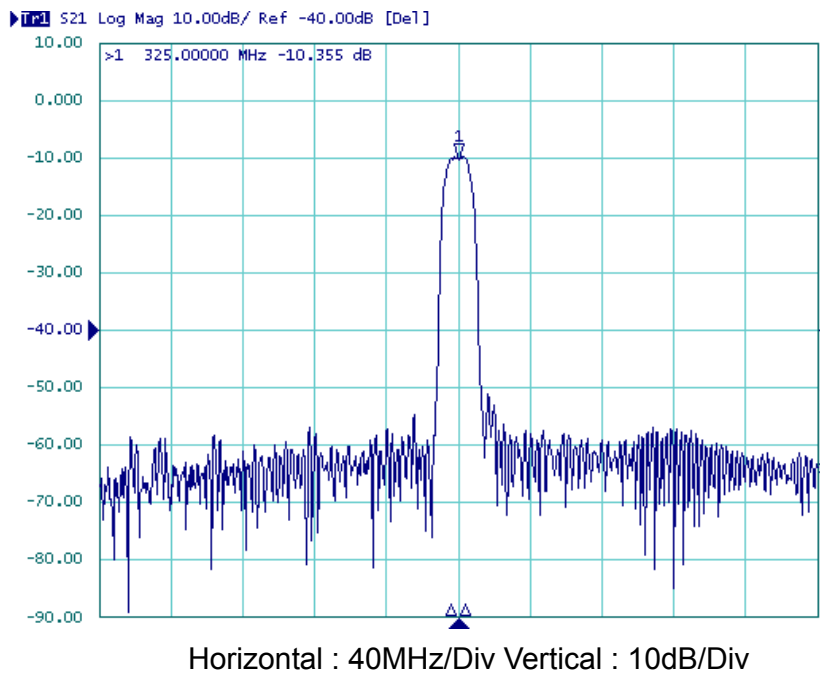
Horizontal: 100MHz/Div Vertical: 10dB/Div

(2) Pass band Response:(span 20MHz)

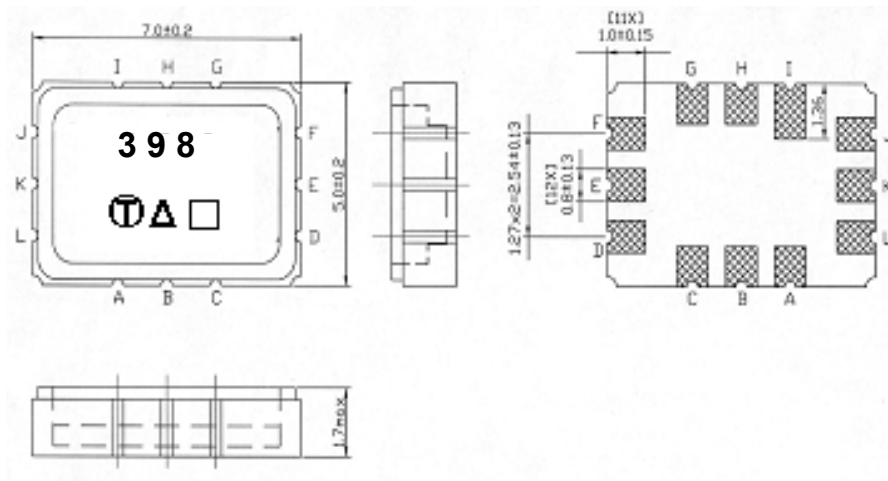


Horizontal : 0.3MHz/Div Vertical 1: 1dB/Div Vertical 2: 100nS/Div

(3) Wide band Response:(span 400 MHz)



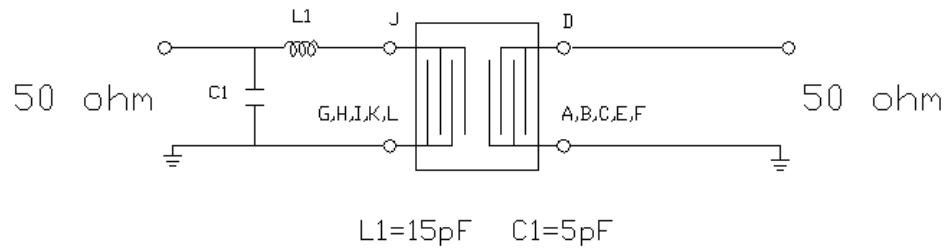
**D. Outline Drawing:**



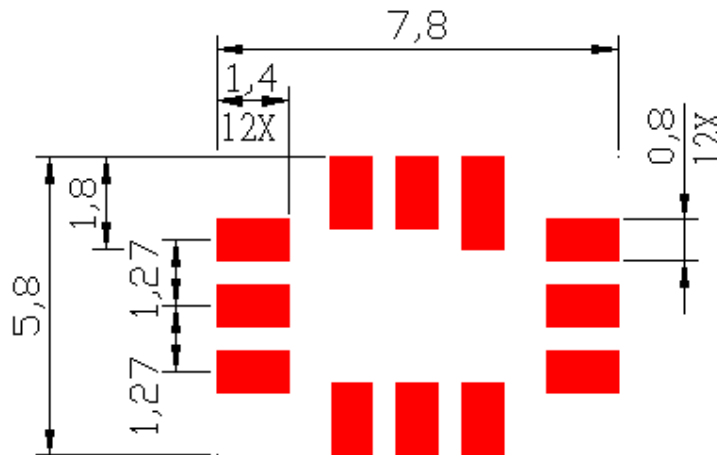
- Pin D : Balanced Input +
- Pin C : Balanced Input -
- Pin J : Blanced Onput +
- Pin I : Blanced Onput -
- Pin A, B, E, F, G, H, K, L : To be Ground
- : Week Code (Follow the table from planner each year)
- Unit : mm
- △ : Product / Year Code

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

**E. TEST FIXTURE :**

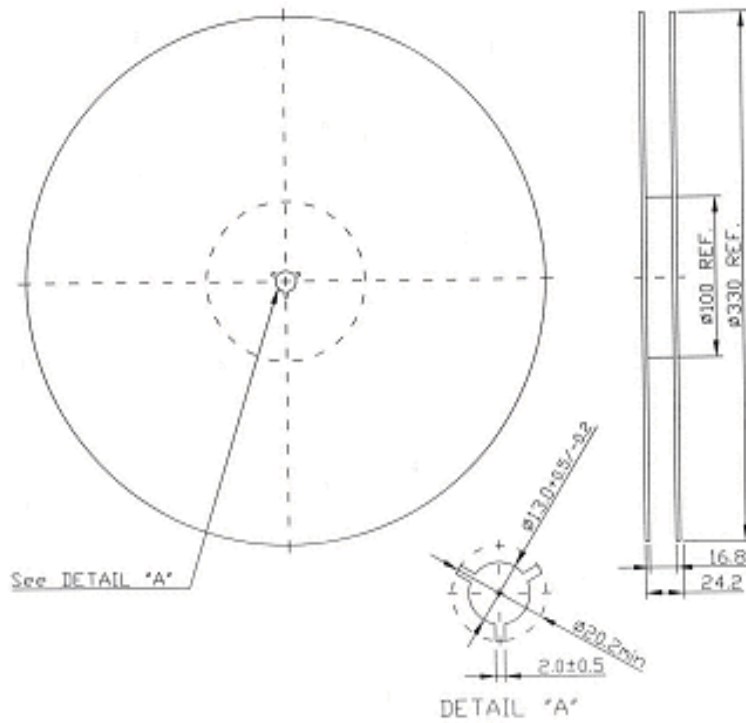


**F. PCB Footprint:**



## G. PACKING:

### 1. REEL DIMENSION



### 2. TAPE DIMENSION

