



# TAI-SAW TECHNOLOGY CO., LTD.

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## Approval Sheet For Product Specification

Issued Date:

Product Name: SAW IF Filter 240MHz

TST Parts No.: TB0341A ( package 7mm x 5 mm )

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

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

Checked by: \_\_\_\_\_ Andy Yu

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

Date: \_\_\_\_\_ 12/01 /2006



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SAW Filter 240MHz (SMD 7×5 mm)

MODEL NO.: TB0341A

Rev. No. 3

## A. MAXIMUM RATING:

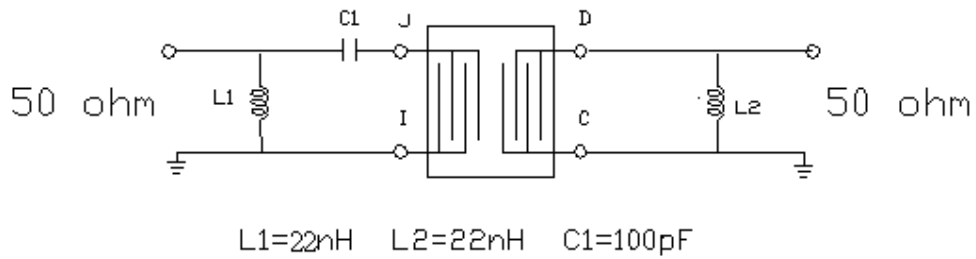
1. Input Power Level: 10 dBm
2. Operate Temperature: -40°C to 85°C
3. Storage Temperature: -40°C to 85°C

RoHS Compliant  
Lead free  
Lead-free soldering

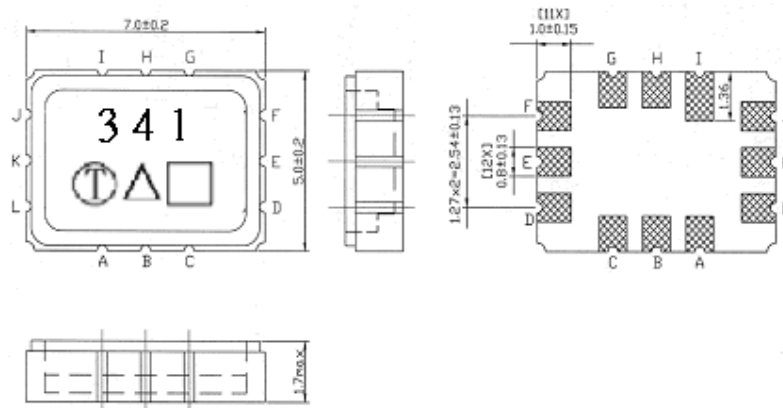
## B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center frequency, <b>F<sub>c</sub></b>	MHz	239.5	240	240.5
Minimum Insertion Loss, <b>IL</b>	dB	-	10	14
1dB Bandwidth	MHz	5.0	6.0	-
3dB Bandwidth	MHz	-	6.8	7.2
40 dB Bandwidth	MHz	-	10.4	13
Group Delay ripple (237.5-242.5MHz)	nS	-	50	200
Amplitude ripple (237.5-242.5MHz)	dB	-	0.5	1
Phase linearity (237.5-242.5MHz)	rms	-	3	-
Attenuation:(Reference level from Min IL)				
10~234MHz	dB	43	52	-
250MHz~440MHz	dB	40	48	-

C. TEST Circuit:



D. OUTLINE DRAWING:



Pin D : Unbalanced Input  
 Pin J : Unbalanced Output  
 Pin A, B, C, E, F, G, H, I, K, L : To be Ground

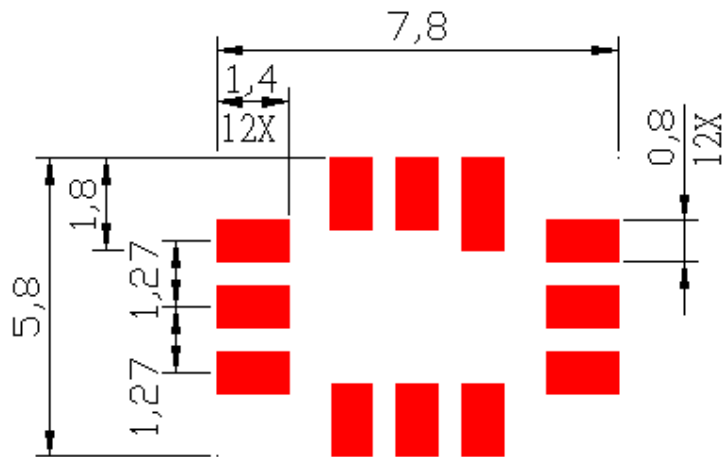
□ : date code

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. PCB FOOTPRINT:



F. FREQUENCY CHARACTERISTICS:

(1) wide band of Response:

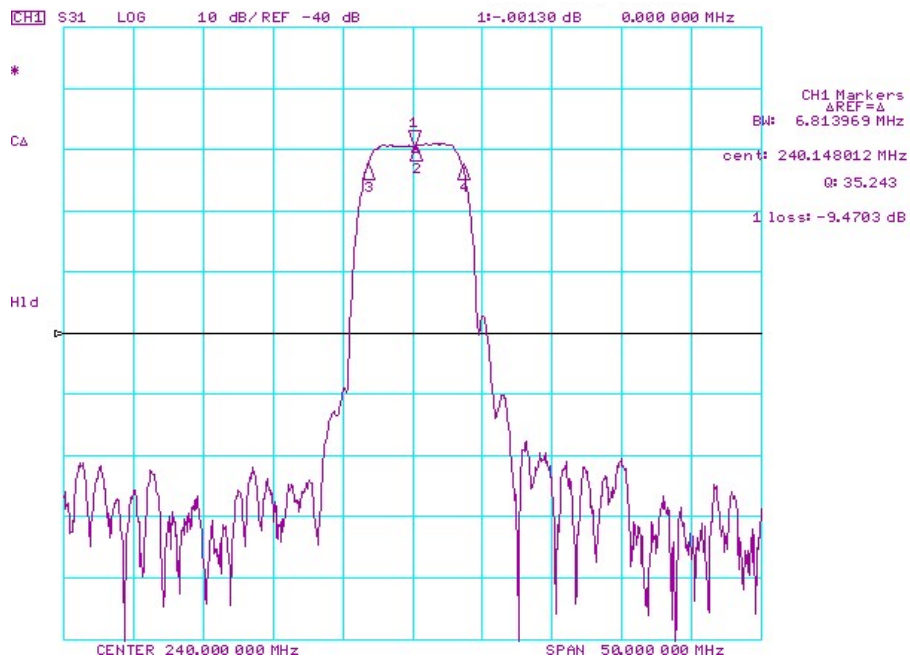


Fig-1 S21 Response Horizontal: 5MHz/Div Vertical: 10dB/Div

(2) Passband of Response:

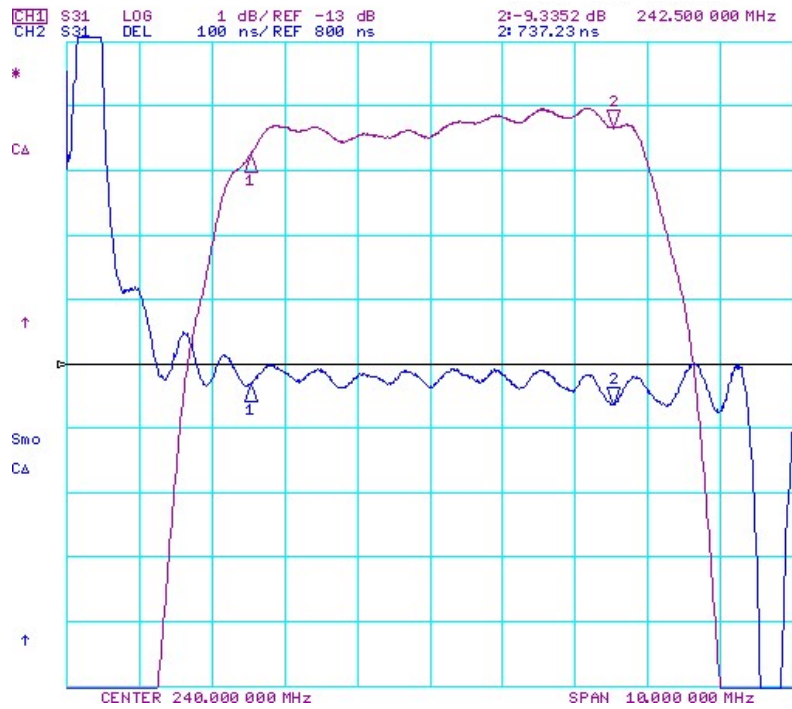


Fig-2 S21 Response Horizontal: 1MHz/Div Vertical: 1dB/Div  
100ns/Div

G. PACKING:

1. REEL DIMENSION

