



# TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,  
Taoyuan, 324, Taiwan, R.O.C.

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## Approval Sheet For Product Specification

Issued Date: 2006/01/25

Product Name: 44MHz IF SAW Filter (BW=6.5 MHz)

TST Parts No.: TB0364A

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

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

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

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

Date: \_\_\_\_\_ 2006/10/05



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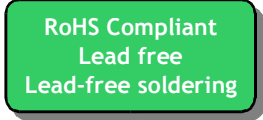
SAW Filter 44MHz (SMD 13.3×6.5 mm)

Model No.: TB0364A

Rev. No.:2.0

## A. MAXIMUM RATING:

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

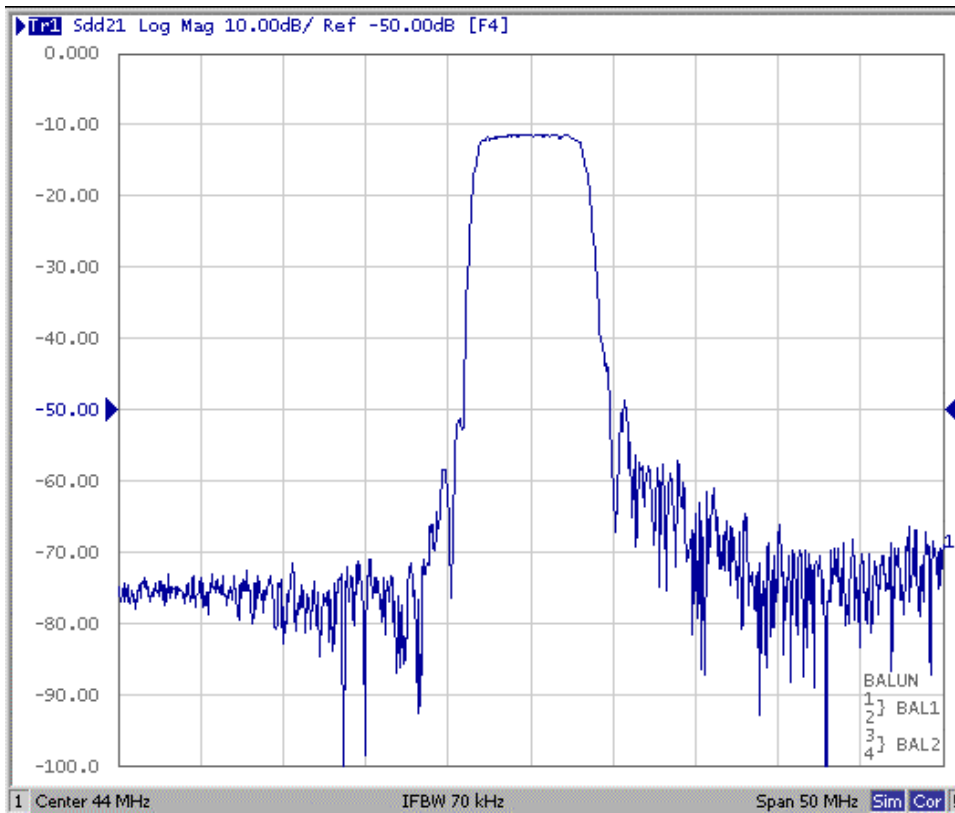


## B. Characteristics :

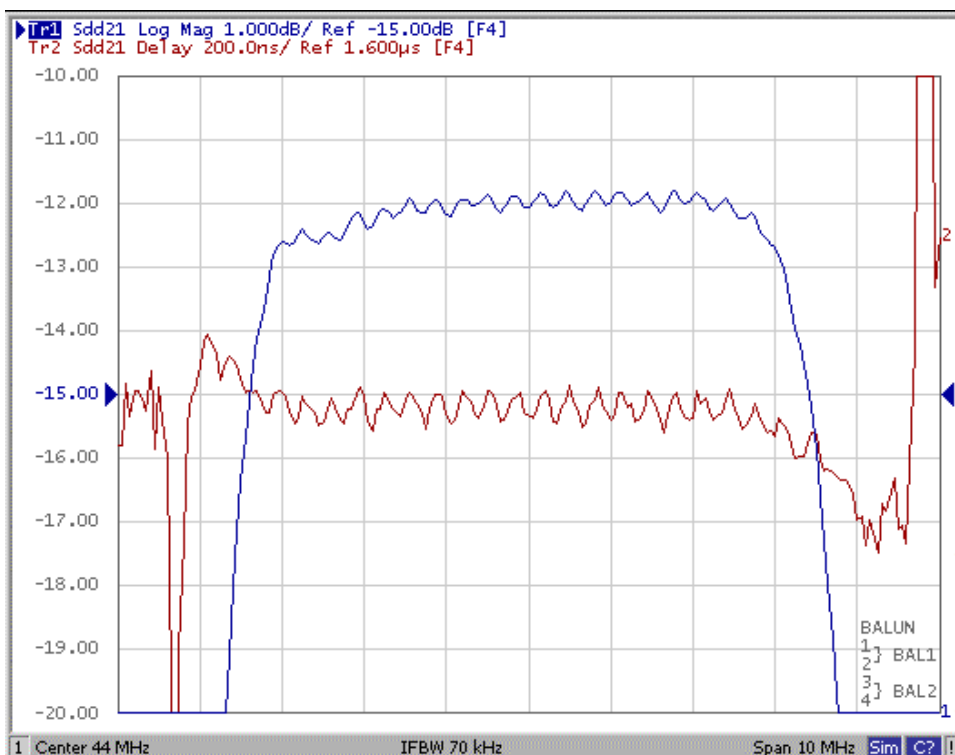
Item	Unit	Min.	Type.	Max.
Center frequency, <b>Fc</b>	MHz	-	44	-
Insertion Loss, <b>IL</b>	dB	-	11.5	16
3 dB Bandwidth	MHz	6.5	6.8	
Pass band Ripple <b>Fc±2.7MHz</b>	dB	-	0.9	1.2
Stopband Rejection (ref: Max IL)				
Relative Attenuation <b>Fc±3.6MHz</b>	dB	4	6	
Relative Attenuation <b>Fc±4.0MHz</b>	dB	14	16	
Relative Attenuation <b>Fc±7.0MHz</b>	dB	40	46	
Relative Attenuation <b>26.5MHz to 37MHz</b>	dB	40	58	
Relative Attenuation <b>51MHz to 61.5MHz</b>	dB	40	42	

### C. Frequency Characteristics :

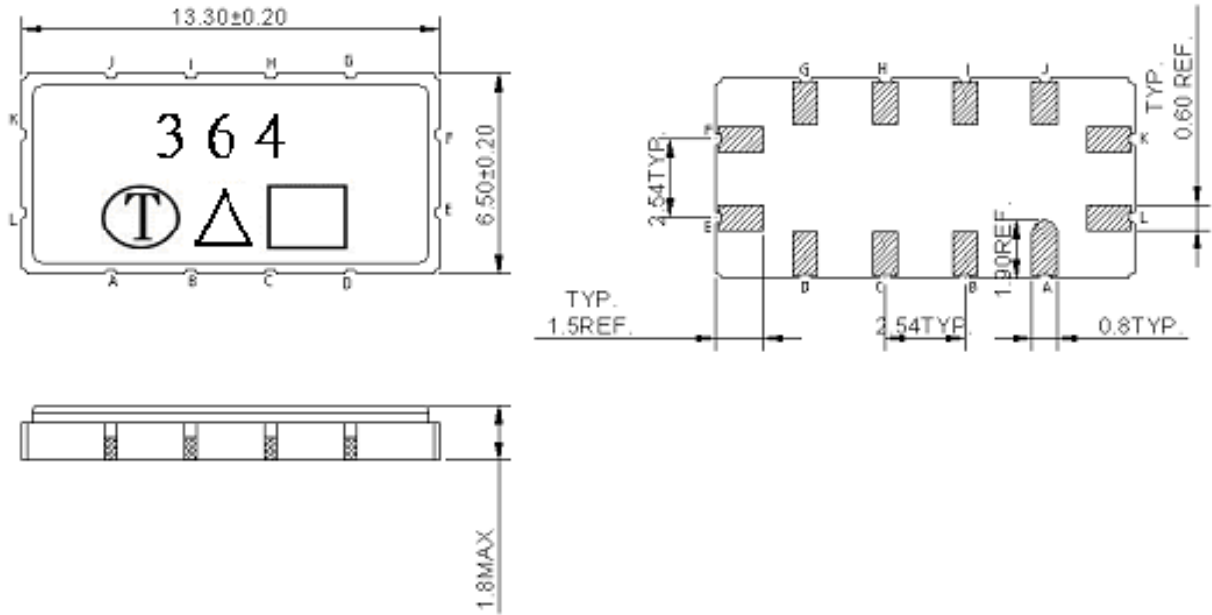
#### (1) Frequency Response



#### (2) Passband response and Group Delay Variation:



**D. Outline Drawing:**



Pin K=L: RF input

Pin E=F: RF output

Pin A, B, C, D, G, H, I, J: To be Ground

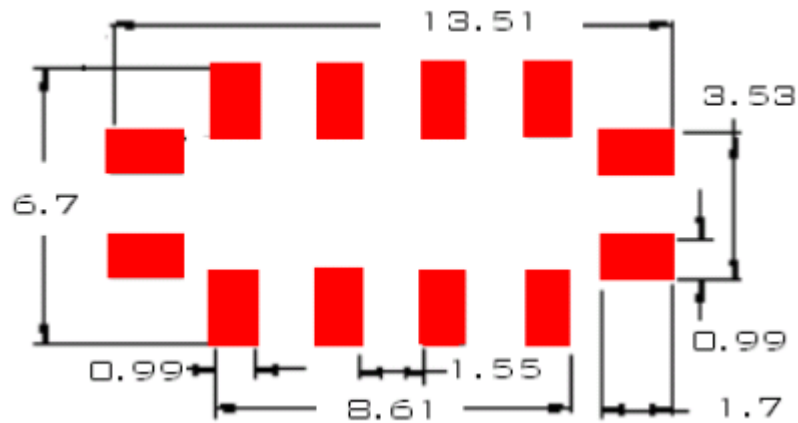
□ : Week Code (Follow the table from planner each year)

Unit : mm

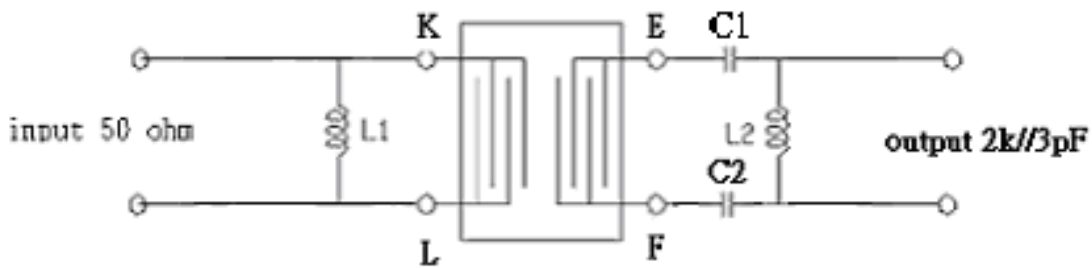
△ : Product / Year Code

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

### E. PCB Footprint:



### F. Matching Circuit:



$$L1=220\text{nH}, C1=C2=110\text{pF}, L2=680\text{nH}$$



### H. Recommended Reflow Profile:

