



# TAI-SAW TECHNOLOGY CO., LTD.

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

TEL: 886-3-4690038 FAX: 886-3-4697532

E-mail: [tstsales@mail.taisaw.com](mailto:tstsales@mail.taisaw.com) Web: [www.taisaw.com](http://www.taisaw.com)

## Approval Sheet for Product Specification

Issued Date: 03/15/2006

Product Name: 268.4MHz IF SAW Filter (BW=35 MHz)

TST Parts No.: TB0377A

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

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

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

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

Date: \_\_\_\_\_ 03/15/2006



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SAW Filter 268.4MHz (SMD 5.0×5.0 mm)

MODEL NO.: TB0377A

Rev. NO. 1

## A. MAXIMUM RATINGS:

1. Input Power Level: 10 dBm
2. Operating Temperature: -20°C to 80°C
3. Storage Temperature: -40°C to 80°C

RoHS Compliant  
Lead free  
Lead-free soldering

## B. ELECTRICAL CHARACTERISTICS:

1. Ambient Temperature: 25 °C

Characteristics	Value			Note
	Min.	Typ.	Max.	
Center frequency $F_c$ MHz	-	268.4	-	-
Minimum Insertion loss I.L. dB	-	12.4	14.0	-
1 dB Bandwidth MHz	35.0	40.5	-	-
20 dB Bandwidth MHz	-	50	55	-
Amplitude Ripple ( $F_c \pm 17.5\text{MH}$ ) dB	-	0.75	1.0	-
Input Power dBm	-	-	+10	-
Relative Rejection (Reference to Minimum Insertion loss)				
205.9~240.9 MHz	20	31	-	-

### C.FREQUENCY CHRACTERISTICS:

(1) wide band of Response: (span: 300MHz)

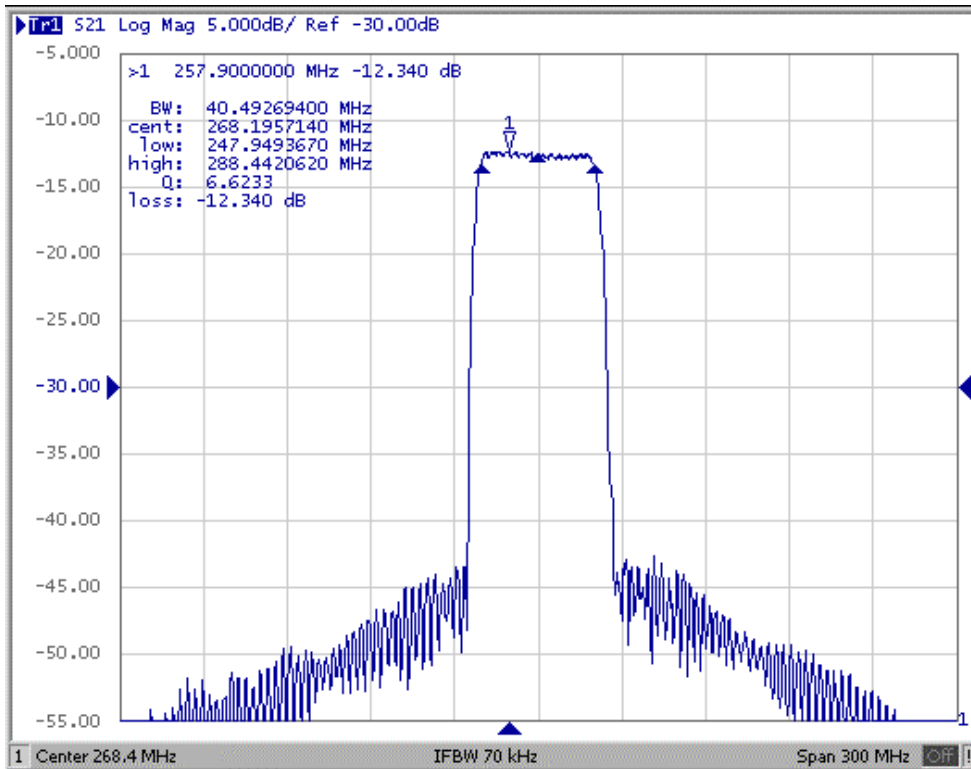


Fig1.S21 Response Horizontal:30MHz/Div Vertical: 10dB/Div

(2) Passband of Response: (span: 50MHz)

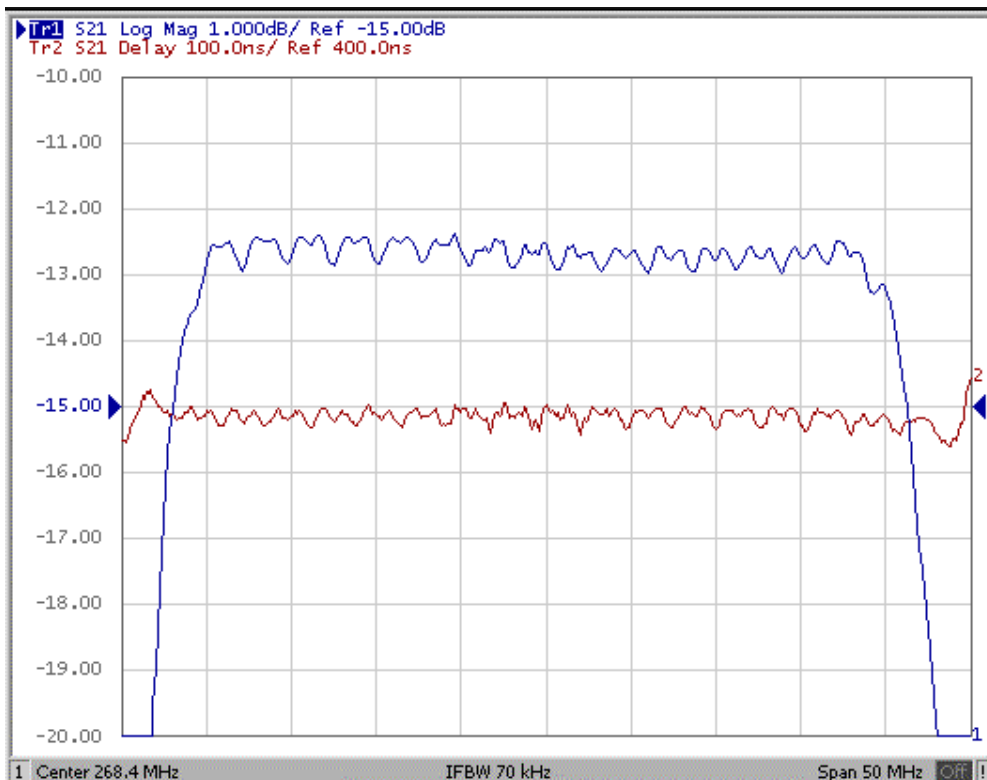
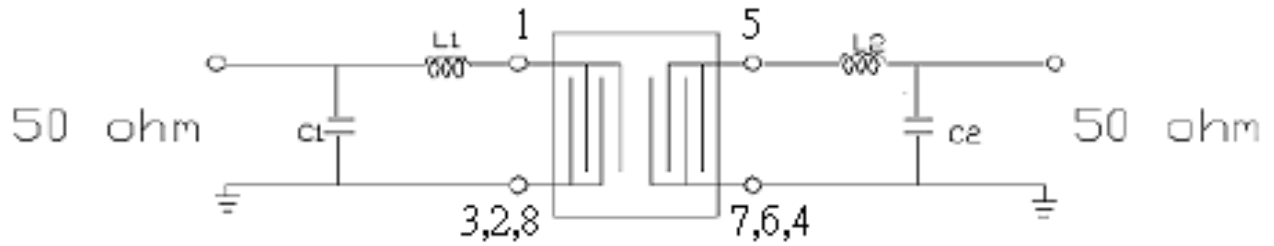


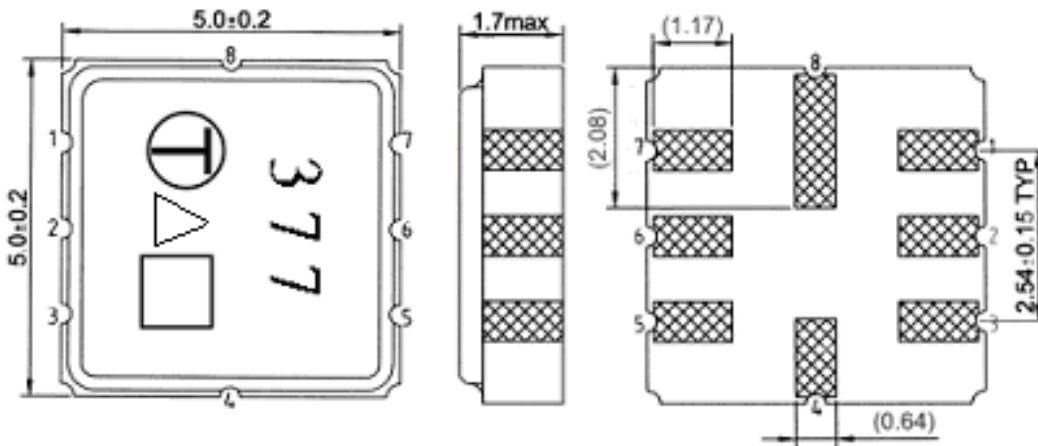
Fig2.S21 Response Horizontal:5MHz/Div Vertical: 1dB/Div

D. TEST CIRCUIT:



L1=56nH, L2=39nH, C1=9pF, C2=6pF

E. OUTLINE DRAWING:



Pin 1: RF input

Pin 5: RF output

Pin 4,8: Case Ground

Pin 2,3,6,7: 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>



G. Recommended Reflow Profile:

