



# TAI-SAW TECHNOLOGY CO., LTD.

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

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

E-mail: [tstsales3@mail.taisaw.com](mailto:tstsales3@mail.taisaw.com) Web: [www.taisaw.com](http://www.taisaw.com)

## Approval Sheet For Product Specification

Issued Date: 3/01/06

Product Name: SAW Filter 374MHz WLAN

TST Parts No.: TB374GD

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

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

Checked by: Andy Lee

Approval by: Francis Chen

Date: 3,01,2006



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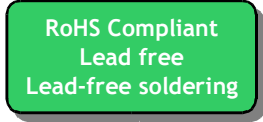
SAW Filter 374MHz WLAN

MODEL NO.: TB374GD

REV. NO.:11

## A. MAXIMUM RATING:

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

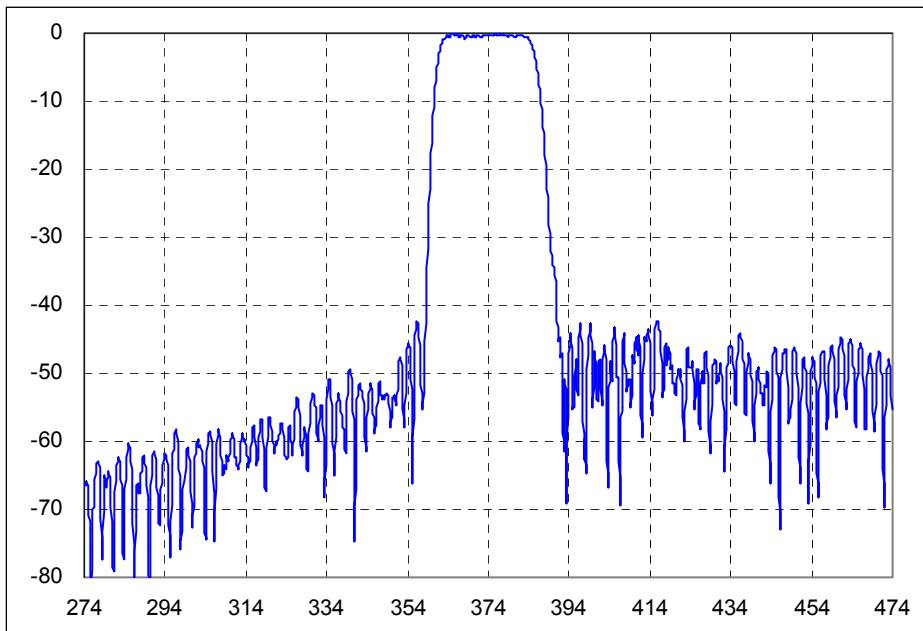


## B. ELECTRICAL CHARACTERISTICS:

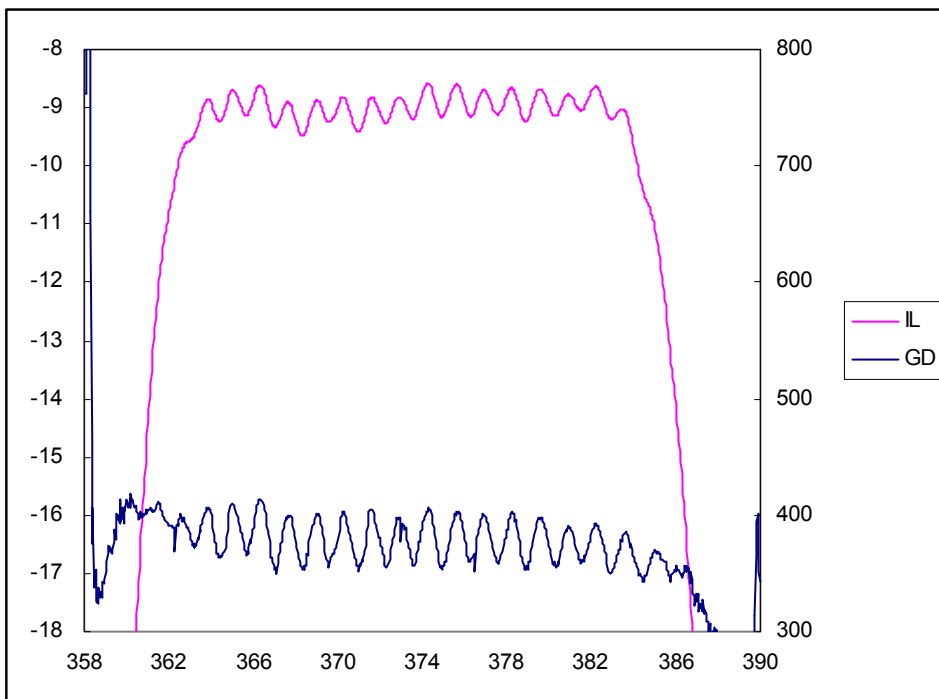
Item	Unit	Min.	Type.	Max.	Note
Center frequency, <b>Fc</b>	MHz	-	374	-	
Insertion Loss, <b>IL</b>	dB	-	8.5	10	
Passband width, <b>BW3</b>	MHz	17	24	-	
Amplitude Ripple in $Fc \pm 7\text{MHz}$	dB	-	0.6	1	
Group delay ripple in $Fc \pm 7\text{MHz}$	nS	-	40	100	
Triple transit suppression	dB	30	37	-	
Attenuation:(Reference level from Min IL)					
Fc -100 to -33MHz	dB	45	52	-	
Fc -33 to -22MHz	dB	40	51	-	
Fc -22 to -16.5MHz	dB	30	42	-	
Fc +16.5 to +22MHz	dB	30	41	-	
Fc +22 to +43 MHz	dB	35	44		
Fc +43 to +100MHz	dB	40	47	-	

## C. FREQUENCY CHARACTERISTICS:

(1) wide band of Response:

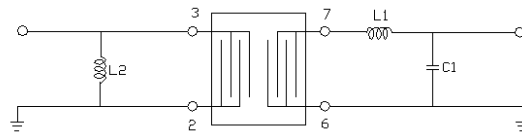


(2) Passband of Response:



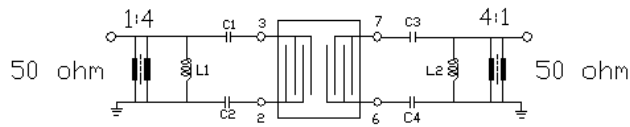
**D. MEASUREMENT CIRCUIT:**

(1) 50 unbalanced:



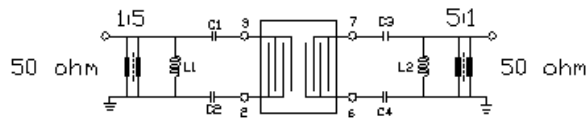
$L2=27nH$        $L1=22nH$   
 $C1=7PF$

(2) 200 . balanced:



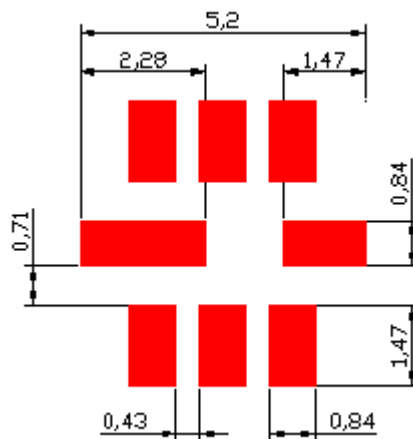
$C1=C2=27PF$      $C3=C4=15PF$   
 $L1=27NH$        $L2=27NH$

(3) 250 . balanced:

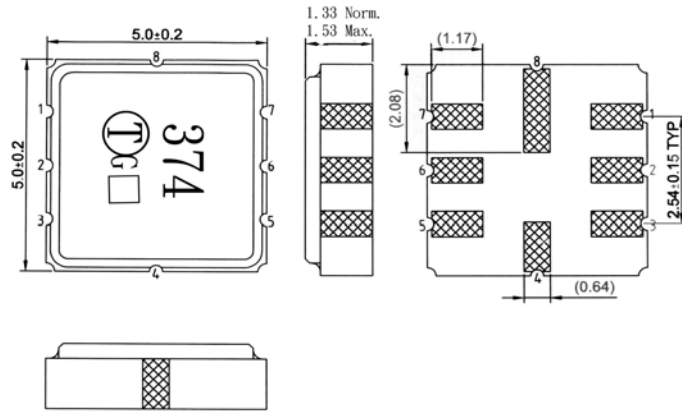


$C1=C2=26PF$      $C3=C4=9PF$   
 $L1=29NH$        $L2=41NH$

**E. PCB FOOTPRINT:**



E. OUTLINE DRAWING:



Pin 7: Balance Output RF+

Pin 3: Balance Input RF+

Pin 2: Balance Input RF- or Input Ground

Pin 6: Balance Output RF- or Output Ground

Unit: mm

Pin 1,4,5,8: To be ground

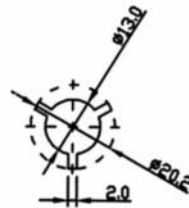
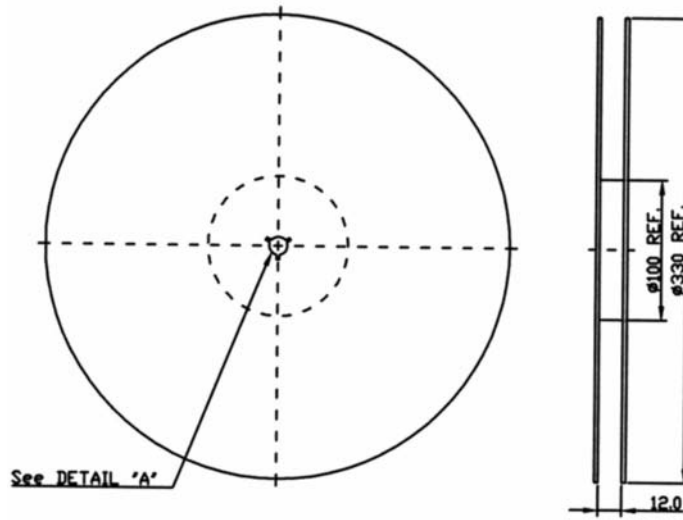
□ : data code for week

G of Date code for year

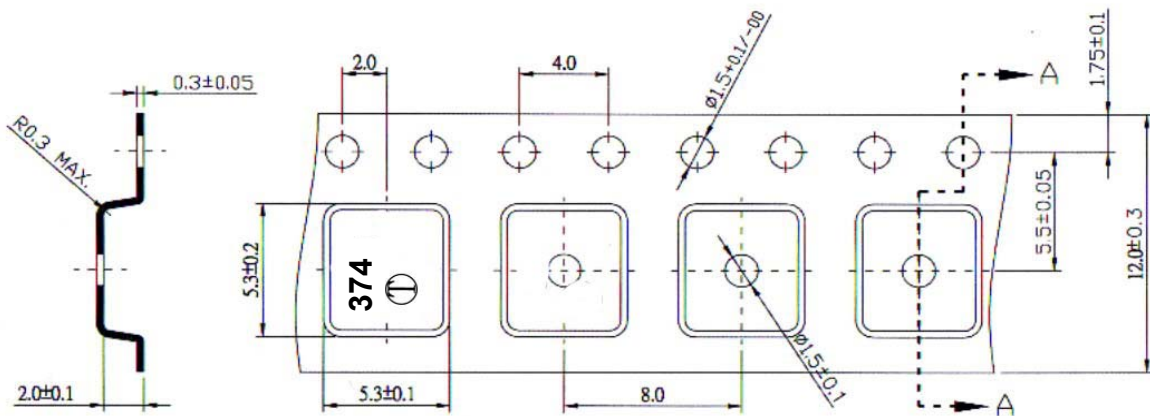
Year	2001 2005	2002 2006	2003 2007	2004 2008
Product Code	G	g	<u>G</u>	<u>g</u>

F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



Section A-A