



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date:

Product Name: SAW IF Filter 374MHz (SMD 3.8x3.8 mm)

TST Parts No.: TB0221A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Andy Lee

Approval by: _____ Francis Chen

Date: _____ 12,09 ,2003



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SAW Filter 374MHz WLAN (SMD 3.8x3.8 mm)

MODEL NO.: TB0221A

REV. NO.:1

RoHS Compliant
Lead free
Lead-free soldering

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, Fc	MHz	-	374	-	
Insertion Loss, IL	dB	-	8.5	10	
Passband width, BW3	MHz	17	19.1	-	
Amplitude Ripple in Fc±7MHz	dB	-	0.7	1	
Group delay ripple in Fc±7MHz	nS	-	50	100	
Triple transit suppression	dB	30	41	-	
Attenuation:(Reference level from Min IL)					
274MHz to 330 MHz	dB	40	50	-	
330MHz to 349.5MHz	dB	40	46	-	
349.5MHz to 355 MHz	dB	30	42	-	
393MHz to 398.5MHz	dB	30	40	-	
398.5MHz to 422MHz	dB	35	42		
422MHz to 474MHz	dB	40	50	-	

C. FREQUENCY CHRACTERISTICS:

(1) wide band of Response:

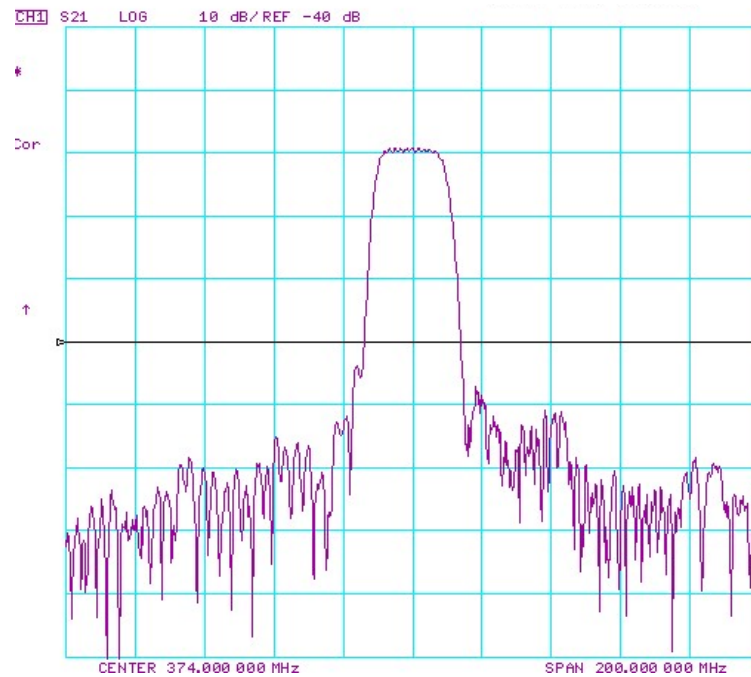


Fig-1 S21 Response Horizontal: 20MHz/Div
Vertical: 10dB/div REF. : -40dB

(2) Passband of Response:

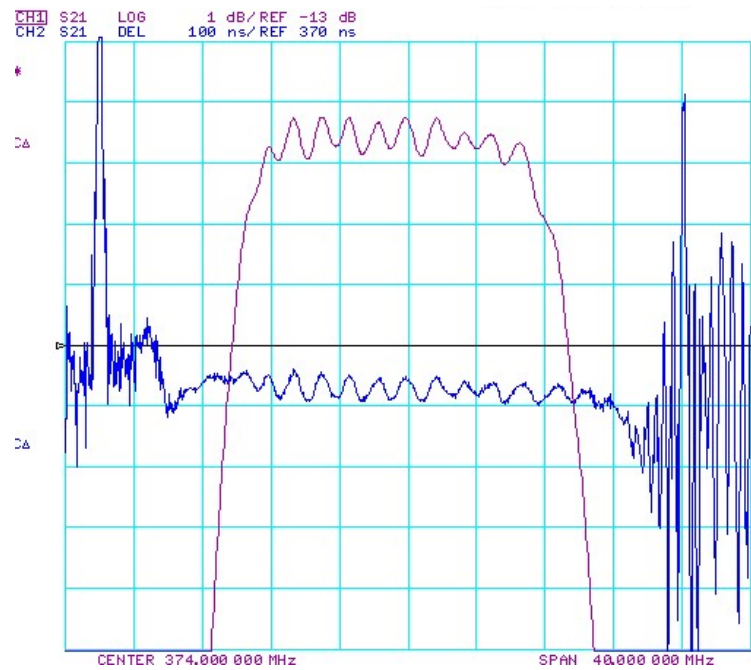
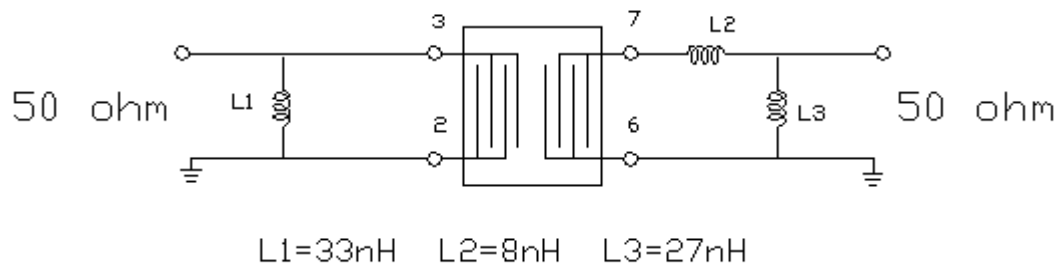


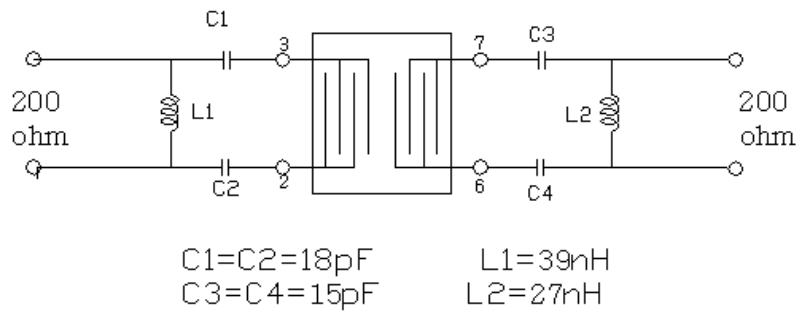
Fig-1 S21 Response Horizontal: 4MHz/Div
Vertical: 1dB/Div, 100nS

D. MEASUREMENT CIRCUIT:

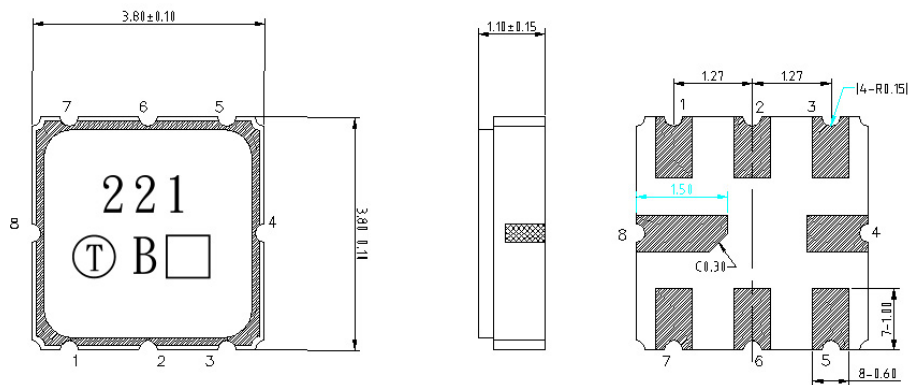
(1) 50 unbalanced:



(2) 200 balanced:



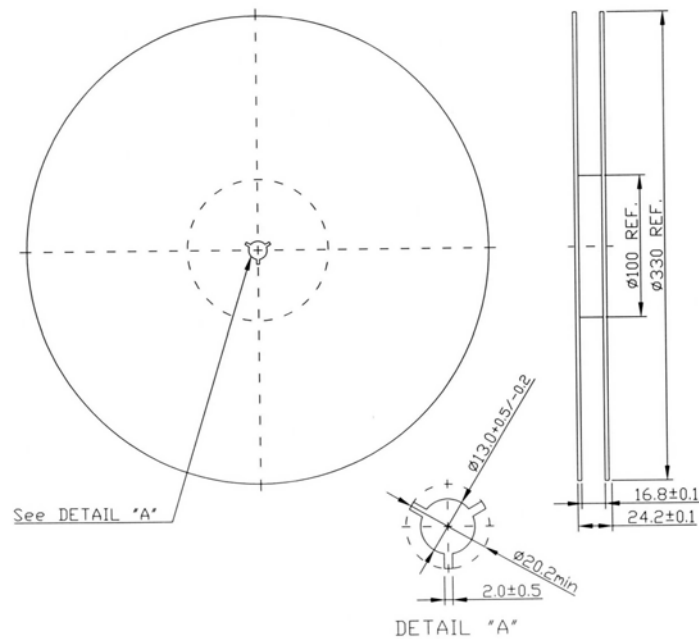
E. OUTLINE DRAWING:



Pin 3 : RF input or Balance input
Pin 7 : RF output or Balance output
Pin 2 : RF input ground or Balance input return
Pin 6 : RF output ground or Balance output return
Pin 1, 4, 5, 8 : To be Ground
□ : Date code
Unit : mm

F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

