



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date: 11, 18, 2004

Product Name: SAW Filter 533.33 MHz SMD 3.8x3.8 mm

TST Parts No.:TB0264A

Customer Parts No.:_____

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

Checked by:_____Asin Lin

Approval by:_____Francis Chen

Date:_____11, 18, 2004



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SAW Filter 533.33MHz

MODEL NO.: TB0264A

REV. NO.:2

A. MAXIMUM RATING:

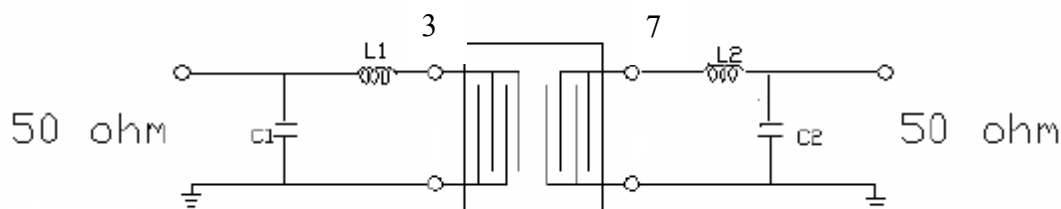
1. Input Power Level : 10 dBm
2. Operating Temperature: -40°C to 85°C
3. Storage Temperature: -40°C to 85°C

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center frequency, Fc	MHz	-	533.33	-	-
Insertion Loss, IL	dB	-	8.3	9	-
Passband width, BW3	MHz	4.5	8.3	-	-
Passband width, BW35	MHz	-	17		-
Amplitude Ripple in $F_c \pm 1\text{MHz}$	dB	-	0.8	1	-
Group delay ripple in $F_c \pm 1\text{MHz}$	nS	-	65	100	-
Phase Linearity in $F_c \pm 1\text{MHz}$	deg		2	4	
Attenuation:(Reference level from Min IL)					
10 MHz to 504 MHz	dB	40	50	-	-
504 MHz to 521.34 MHz	dB	30	45	-	-
545.34 MHz to 560 MHz	dB	30	45	-	-
560 MHz to 1000 MHz	dB	40	50	-	-

C. MEASUREMENT CIRCUIT:



Input L1=10nH, C1=10pF
Output L2=10nH, C2=8pF

D. Frequency Characteristics :

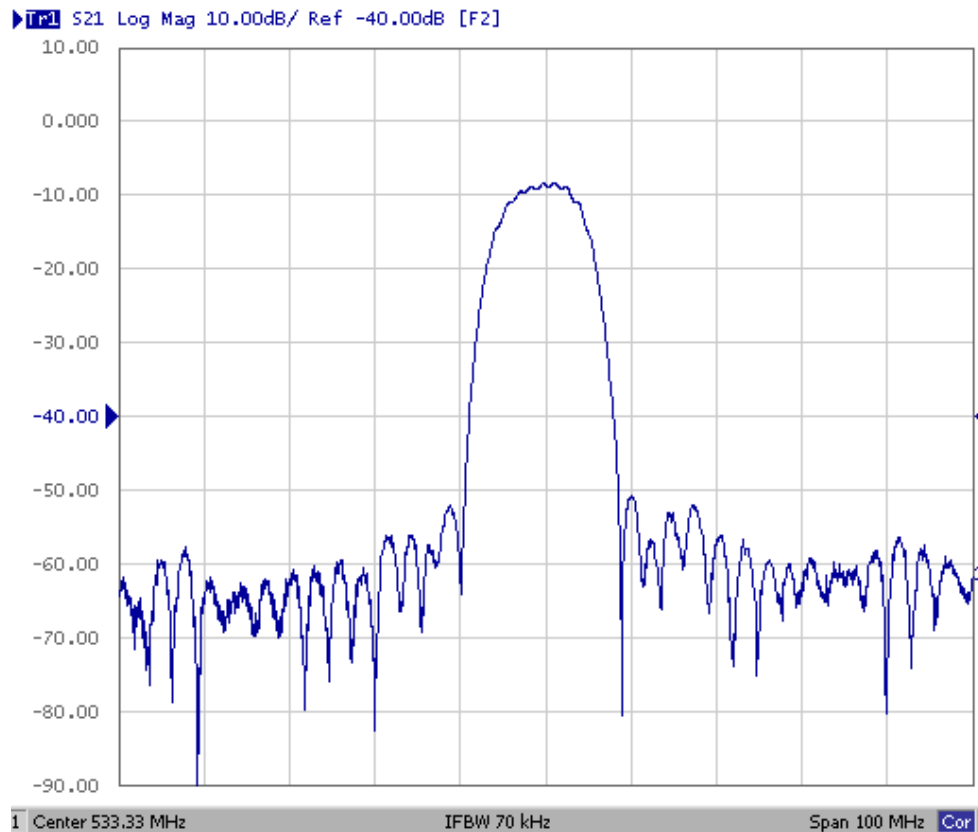


Fig-1 S21 Response Horizontal: 10MHz/Div
Vertical: 10dB/Div

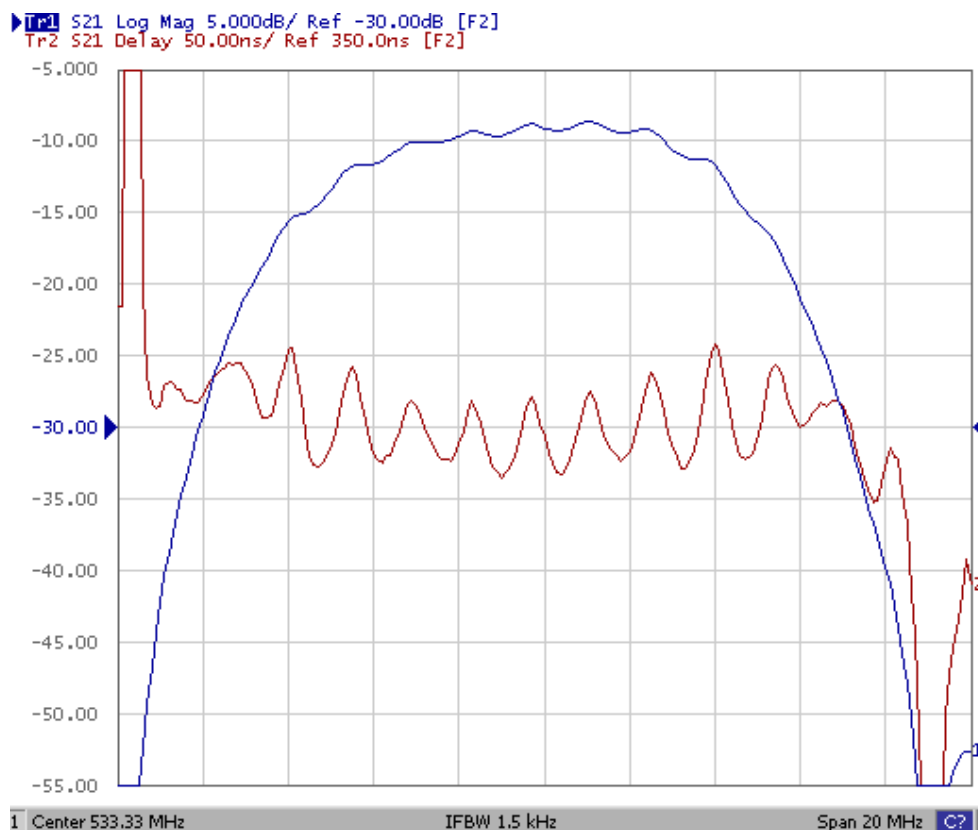
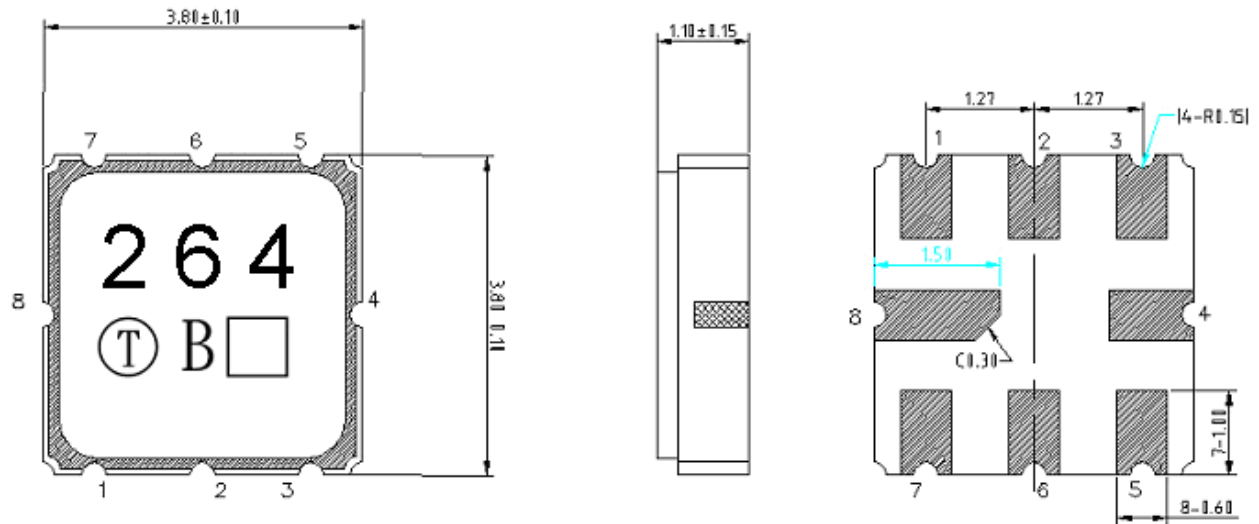


Fig-2 Horizontal: 2M Hz/Div Vertical: 5dB/Div
Vertical: 50ns/Div

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

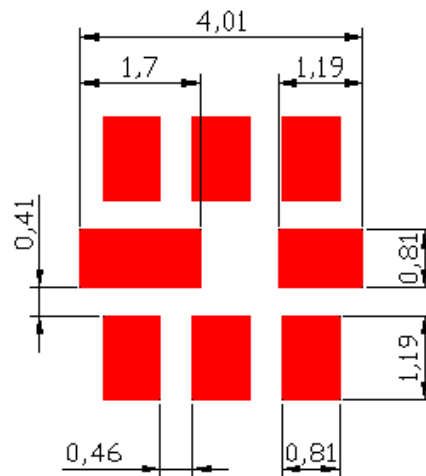
Pin 6 : RF onput ground or Balance output return

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

□ : Date code

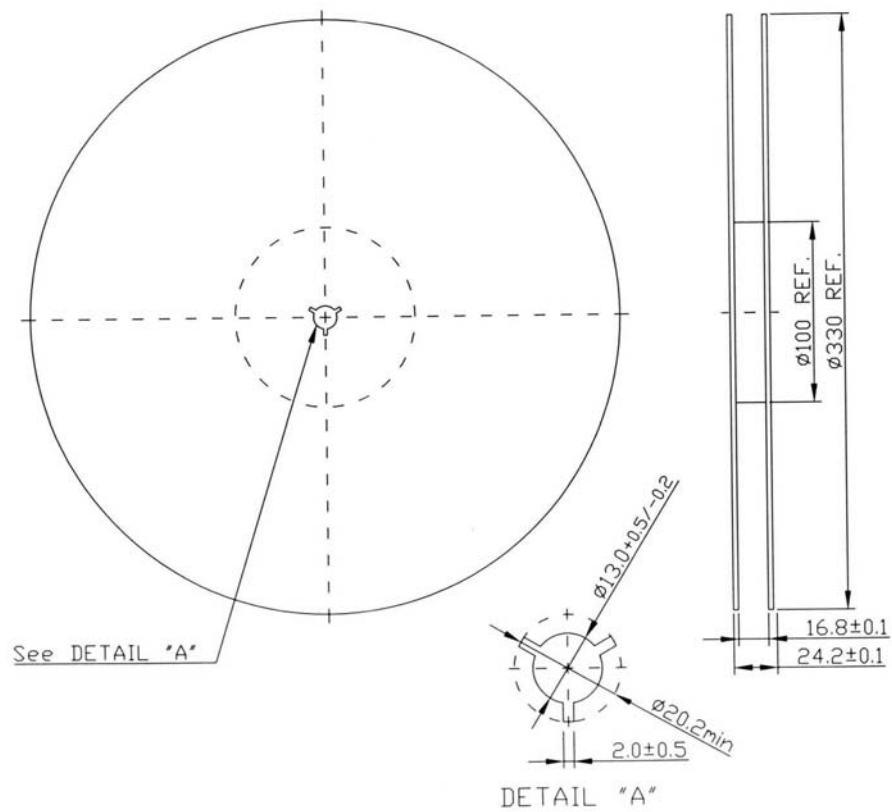
Unit : mm

F. PCB Footprint



G. Packing:

1. REEL DIMENSION



2. TAPE DIMENSION

