



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date: 3/3/06

Product Name: SAW Filter 666.667 MHz SMD 3.0x3.0 mm

TST Parts No.:TB0354A

Customer Parts No.: _____

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

Checked by: _____ Asin Lin

Approval by: _____ Francis Chen

Date: _____ 03/03/06



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SAW Filter 666.667MHz

MODEL NO.: TB0354A

REV. NO.:1

A. MAXIMUM RATING:

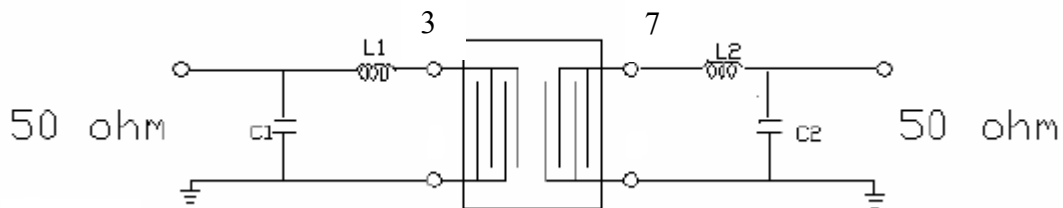
1. Input Power Level : 0 dBm
2. Operating Temperature: -40°C to 85°C
3. Storage Temperature: -40°C to 85°C

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center frequency, F_c	MHz	-	666.667	-	-
Insertion Loss, IL	dB	-	8.1	10	-
Passband width, BW3	MHz	4.5	8.3	-	-
Amplitude Ripple in F _c ±1MHz	dB	-	0.85	1	-
Group delay ripple in F _c ±1MHz	nS	-	80	100	-
Phase Linearity in F _c ±1MHz	deg		2.2	4	
Attenuation:(Reference level from Min IL)					
10 MHz to 626MHz	dB	35	40	-	-
626MHz to 651 MHz	dB	30	34	-	-
683 MHz to 707 MHz	dB	30	34	-	-
707 MHz to 900 MHz	dB	35	40	-	-

C. MEASUREMENT CIRCUIT:



Input L1=5.6nH, C1=8.2pF

Output L2=5.6nH, C2=7pF

D. Frequency Characteristics :

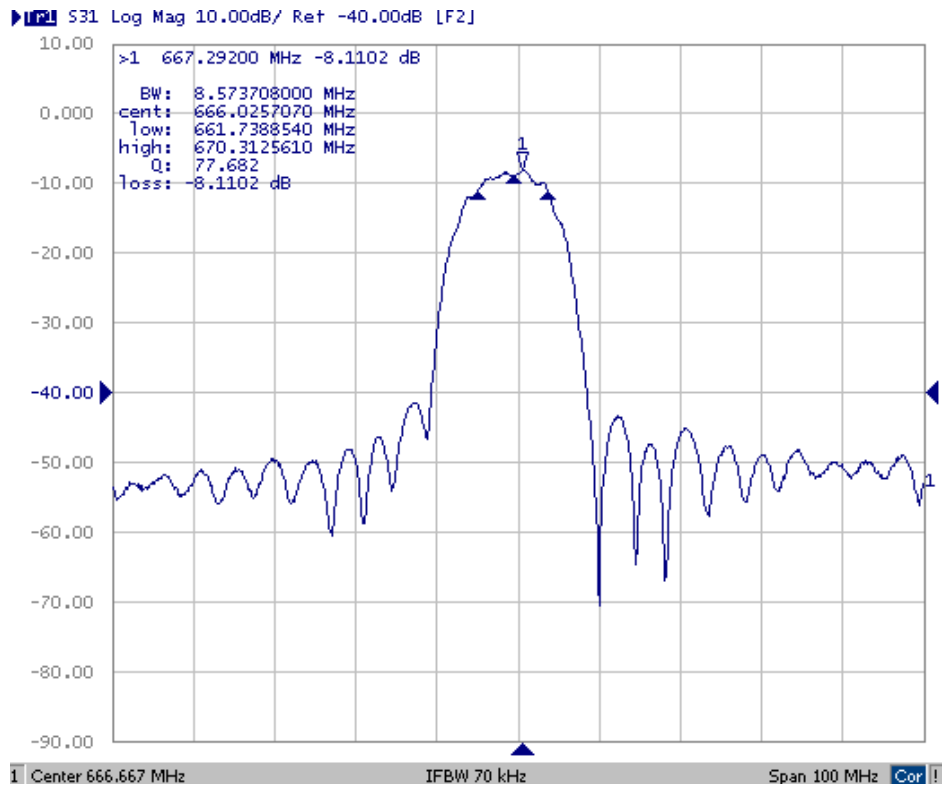


Fig-1 S21 Response Horizontal: 10MHz/Div
 Vertical: 10dB/Div

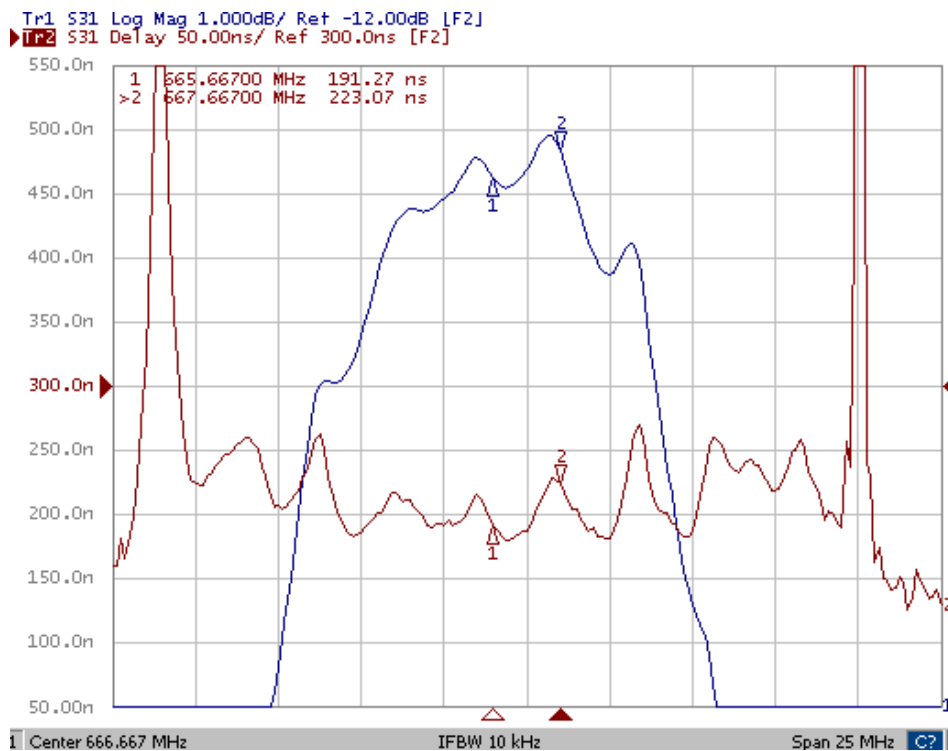
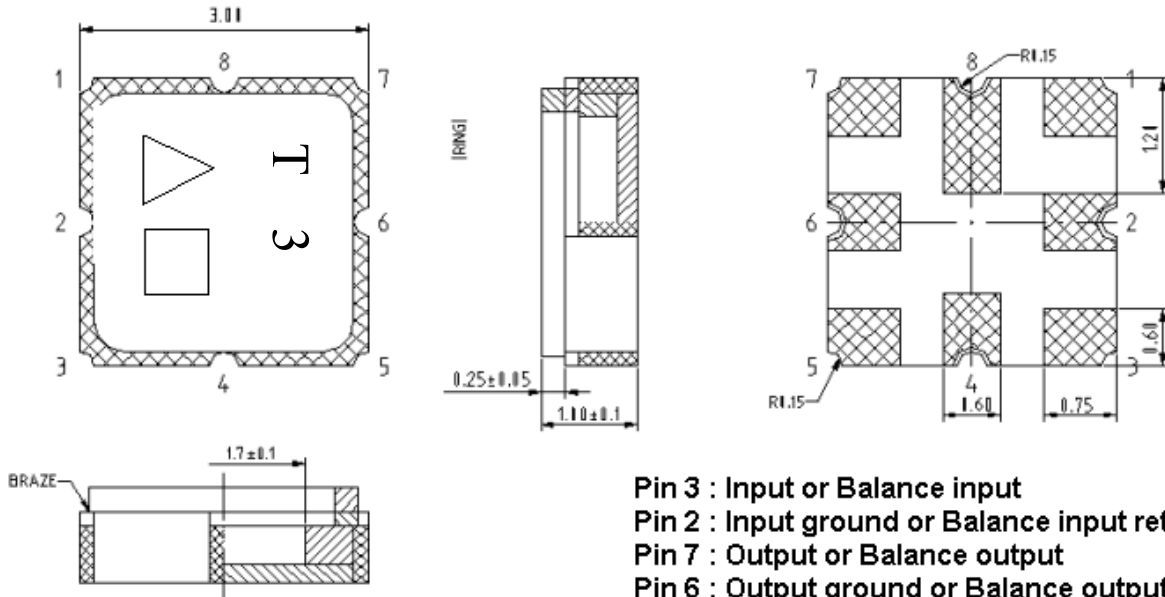


Fig-2 Horizontal: 2.5M Hz/Div Vertical: 1dB/Div
 Vertical: 50ns/Div

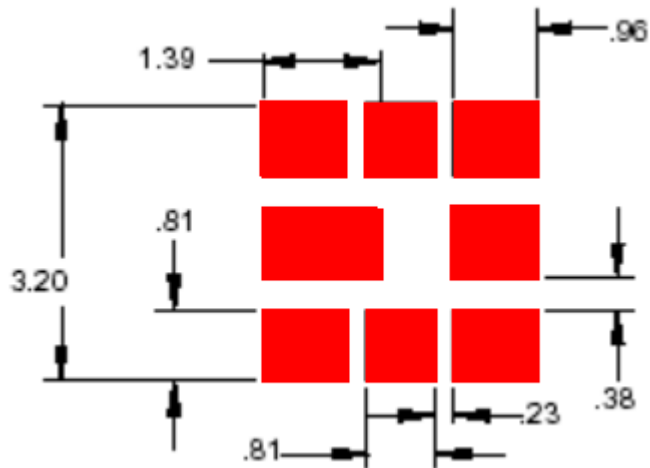
E. Outline Drawing :



- Pin 3 : Input or Balance input
- Pin 2 : Input ground or Balance input return
- Pin 7 : Output or Balance output
- Pin 6 : Output ground or Balance output return
- Pin 1,4,5,8 : To be ground
- △ : Year code
- : Date code
- Unit : mm

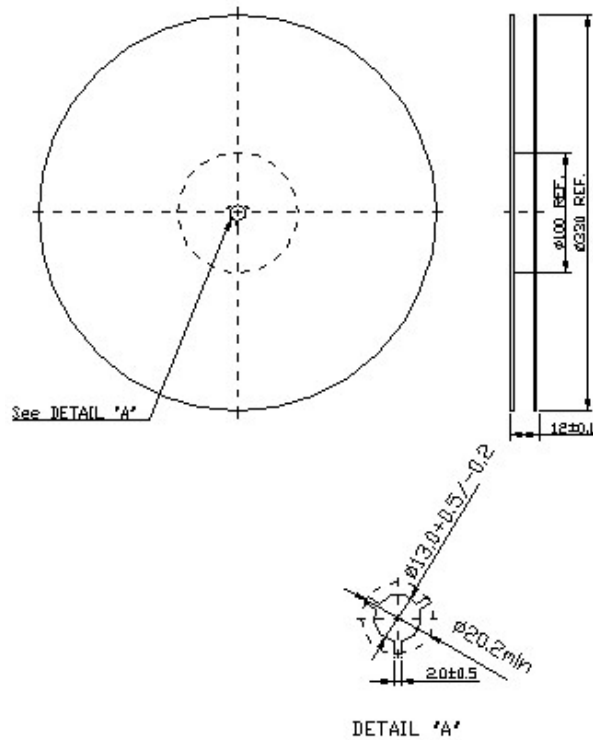
Year code:2006 for 6,2007 for 7...
 Date code: Provided by planer each year

F. PCB Footprint

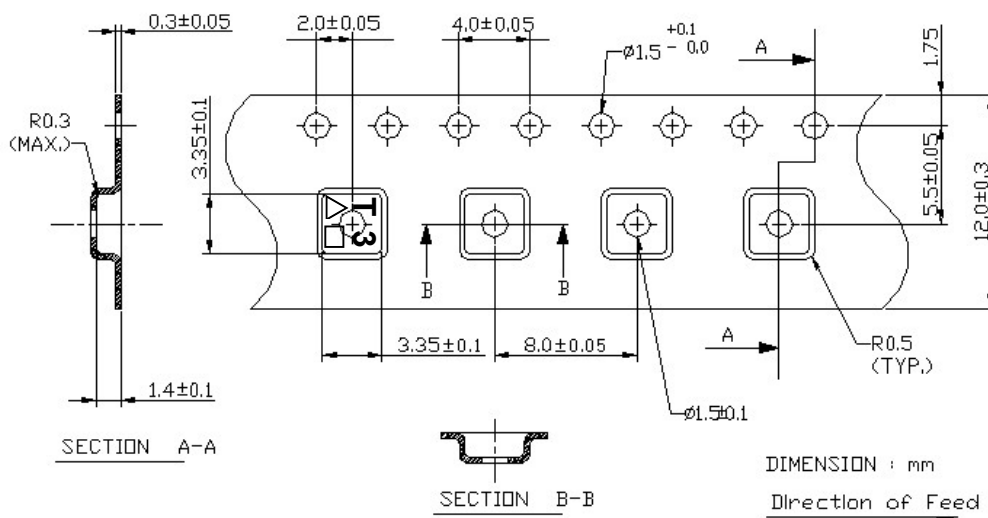


G. Packing:

1. REEL DIMENSION



2. TAPE DIMENSION



H. REFLOW PROFILE

