



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: ttsales@mail.taisaw.com Web: www.taisaw.com

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



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: tstsales@mail.taisaw.com Web: www.taisaw.com

SAW Filter 666.667MHz

MODEL NO.: TB0354A

REV. NO.:1

A. MAXIMUM RATING:

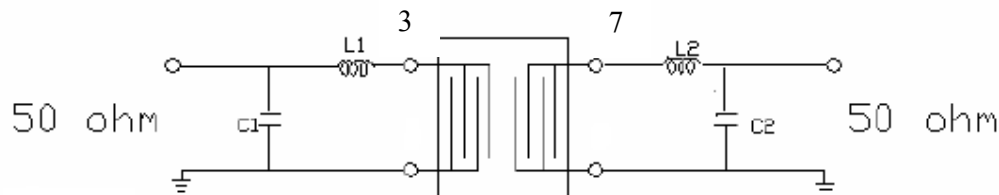
1. Input Power Level : 0 dBm
2. Operating Temperature: -40°C to 85°C
3. Storage Temperature: -40°C to 85°C

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, BW_3	MHz	4.5	8.3	-	-
Amplitude Ripple in $F_c \pm 1\text{MHz}$	dB	-	0.85	1	-
Group delay ripple in $F_c \pm 1\text{MHz}$	nS	-	80	100	-
Phase Linearity in $F_c \pm 1\text{MHz}$	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 $L1=5.6\text{nH}$, $C1=8.2\text{pF}$
Output $L2=5.6\text{nH}$, $C2=7\text{pF}$

D. Frequency Characteristics :

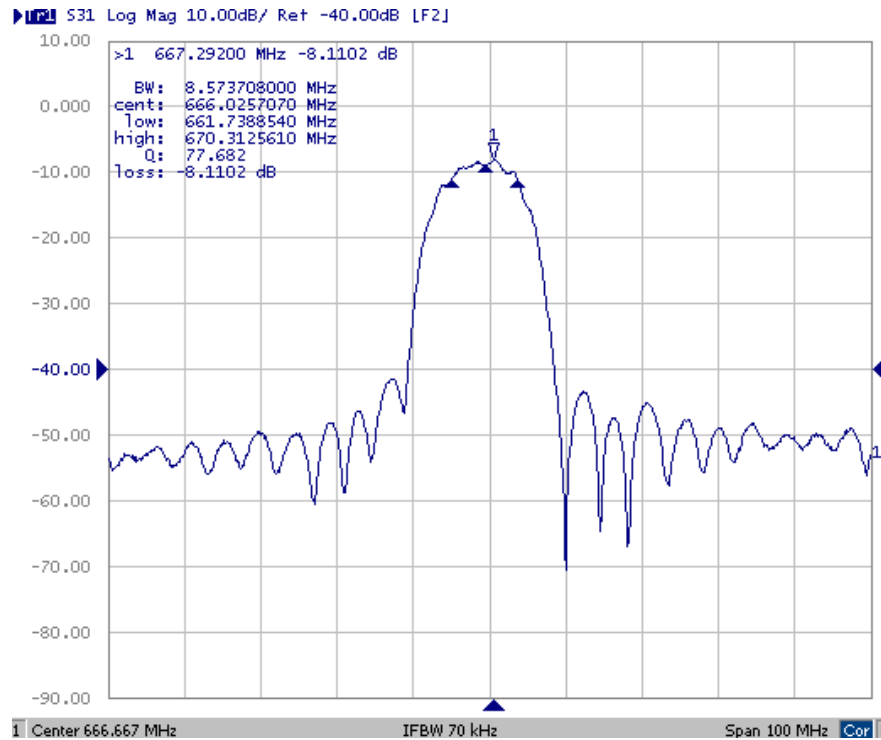


Fig-1 S21 Response Horizontal: 10MHz/Div
Vertical: 10dB/Div

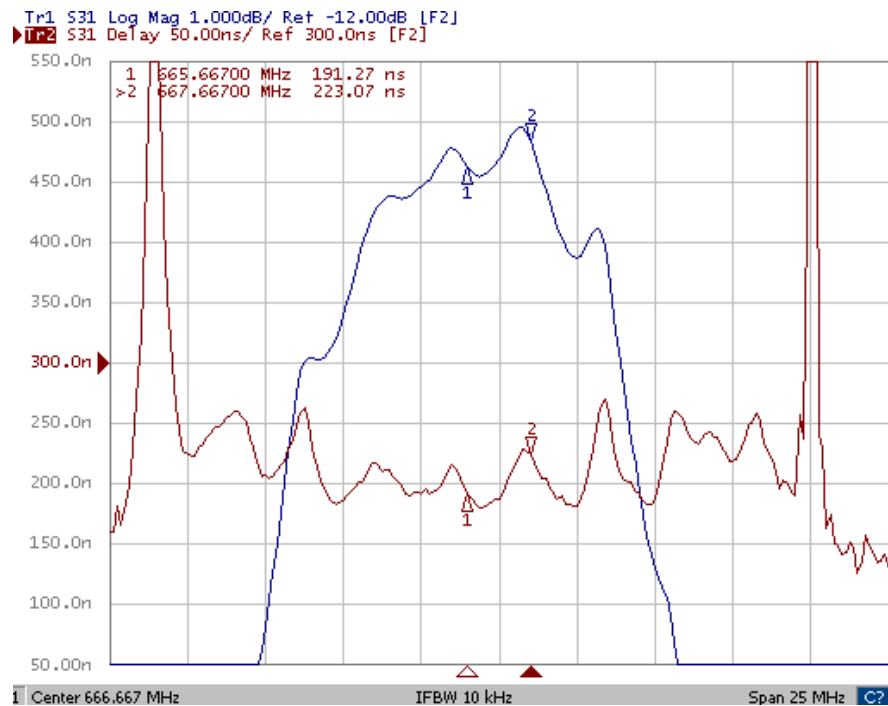
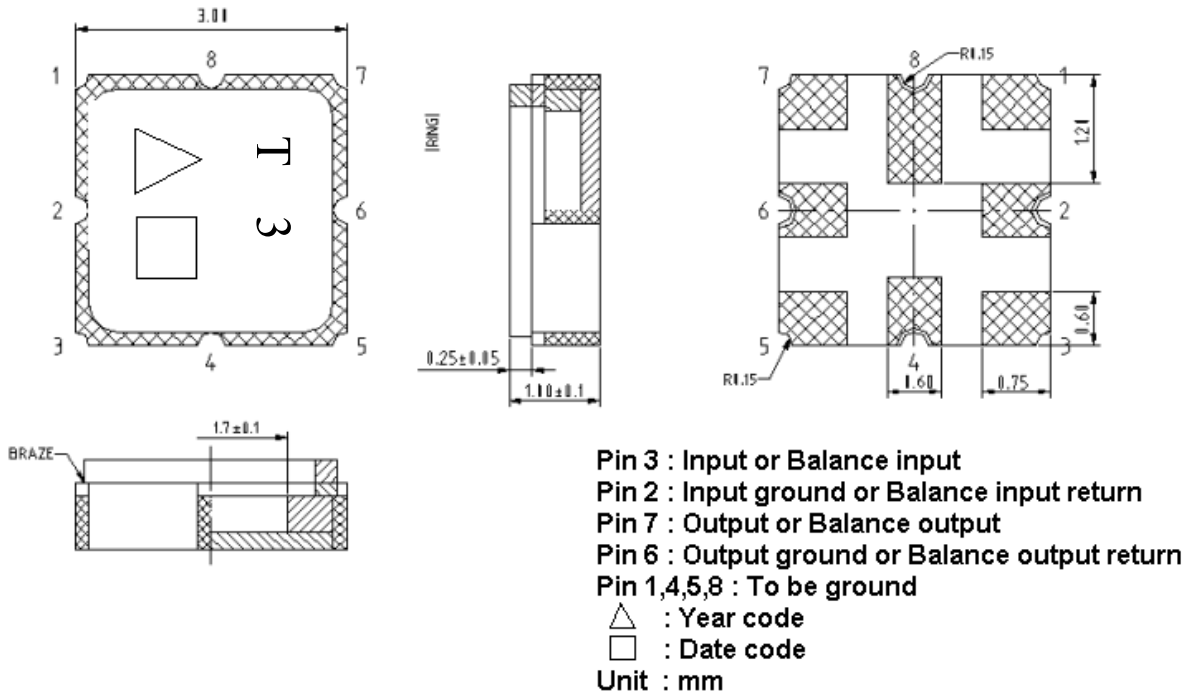


Fig-2 Horizontal: 2.5M Hz/Div Vertical: 1dB/Div
Vertical: 50ns/Div

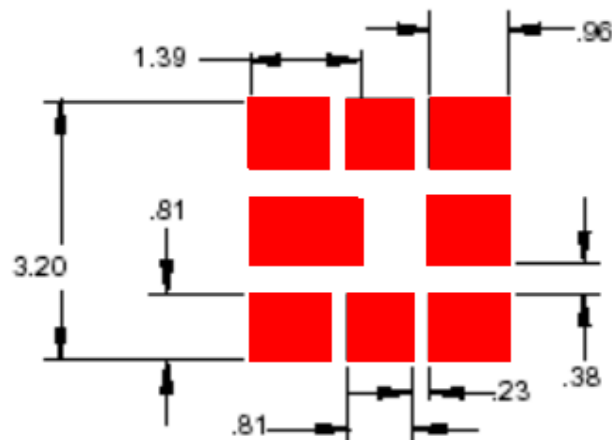
E. Outline Drawing :



Year code:2006 for 6,2007 for 7...

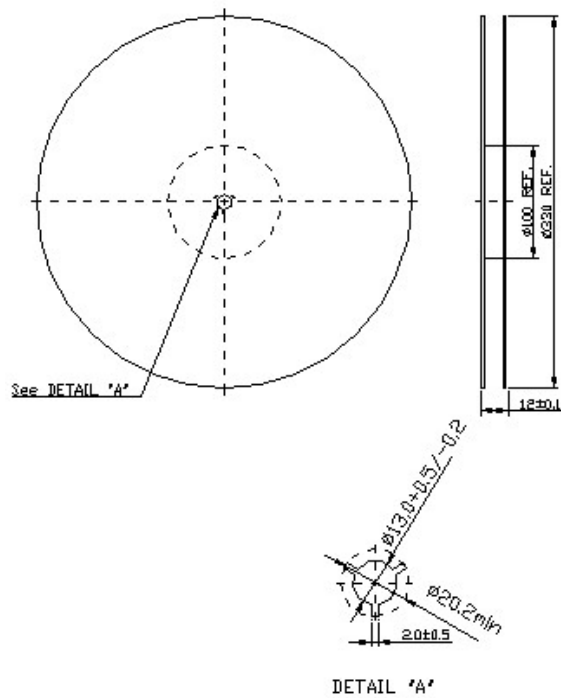
Date code: Provided by planer each year

F. PCB Footprint

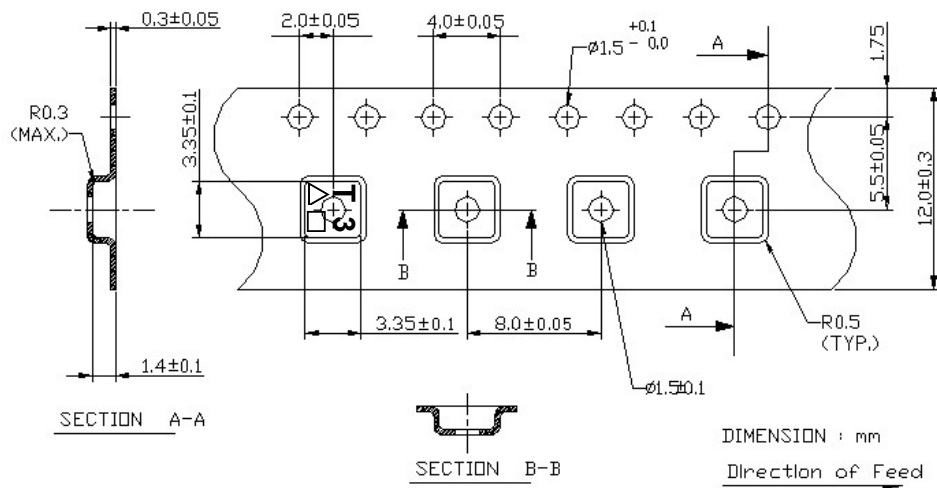


G. Packing:

1. REEL DIMENSION



2. TAPE DIMENSION



H. REFLOW PROFILE

