



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Approval Sheet For Product Specification

Issued Date: 01/13/06

Product Name: SAW Filter 600 MHz SMD 3.0x3.0 mm

TST Parts No.:TB0353A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Asin Lin

Approval by:_____ Francis Chen

Date:_____ 01/13/06



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SAW Filter 600MHz

MODEL NO.: TB0353A

REV. NO.:1

A. MAXIMUM RATING:

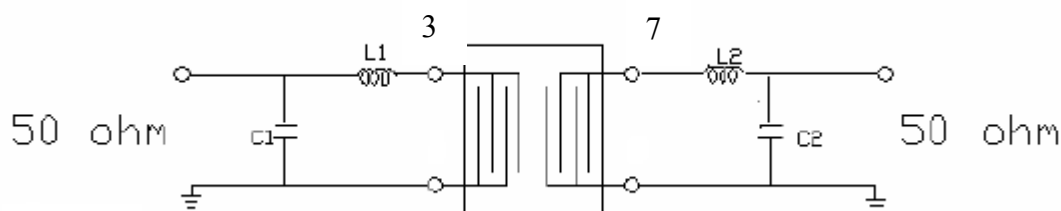
1. Input Power Level : 0 dBm
2. Operating Temperature: -40°C to 85°C
3. Storage Temperature: -40°C to 85°C

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center frequency, F_c	MHz	-	600	-	-
Insertion Loss, IL	dB	-	9	10	-
Passband width, BW₃	MHz	4.5	8.3	-	-
Amplitude Ripple in $F_c \pm 1\text{MHz}$	dB	-	0.75	1	-
Group delay ripple in $F_c \pm 1\text{MHz}$	nS	-	80	100	-
Phase Linearity in $F_c \pm 1\text{MHz}$	deg		2.5	4	
Attenuation:(Reference level from Min IL)					
10 MHz to 604.5 MHz	dB	35	41	-	-
604.5 MHz to 629.5 MHz	dB	30	37	-	-
659.5 MHz to 684.5 MHz	dB	30	35	-	-
684.5 MHz to 900 MHz	dB	35	37	-	-

C. MEASUREMENT CIRCUIT:



Input L1=4.7nH, C1=10pF
Output L2=6.8nH, C2=10pF

D. Frequency Characteristics :



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

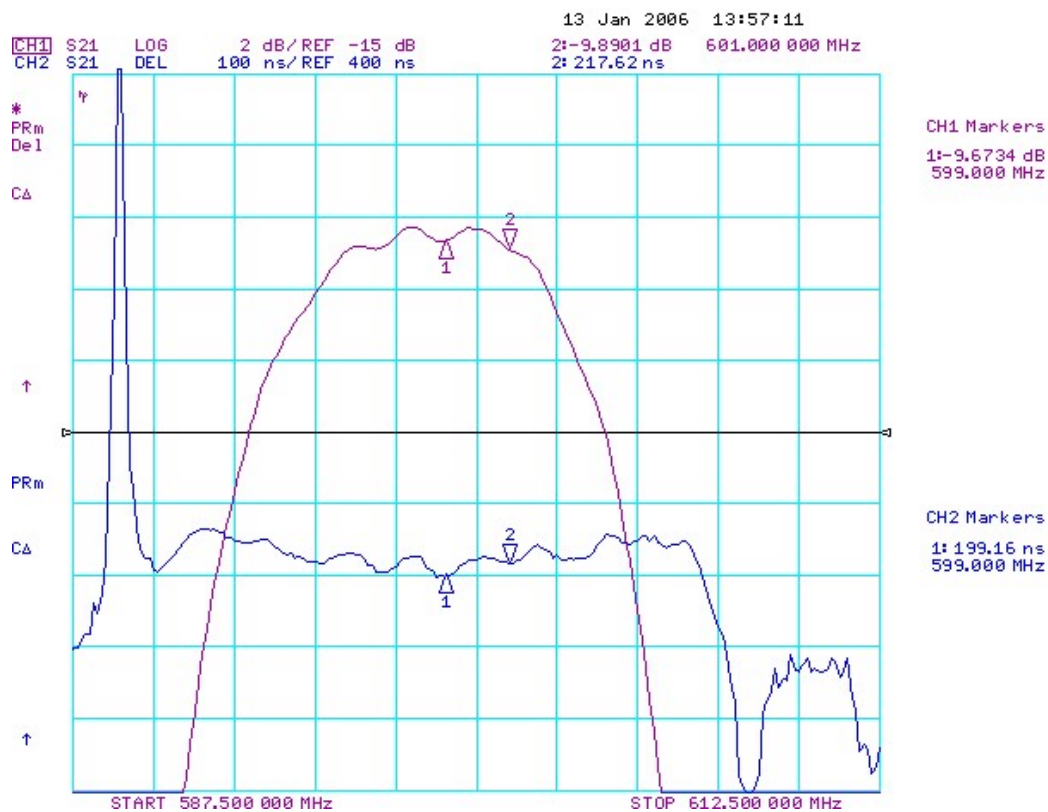
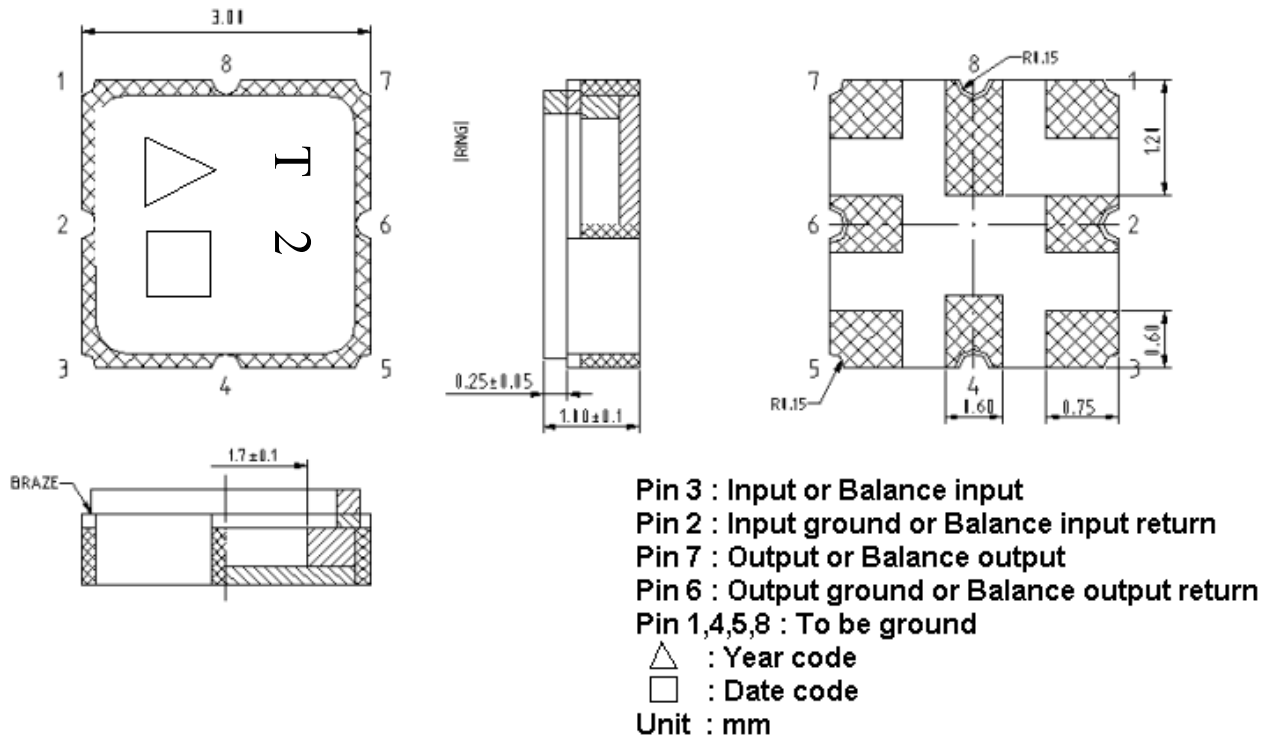


Fig-2 Horizontal: 2.5M Hz/Div Vertical: 2dB/Div
Vertical: 100ns/Div

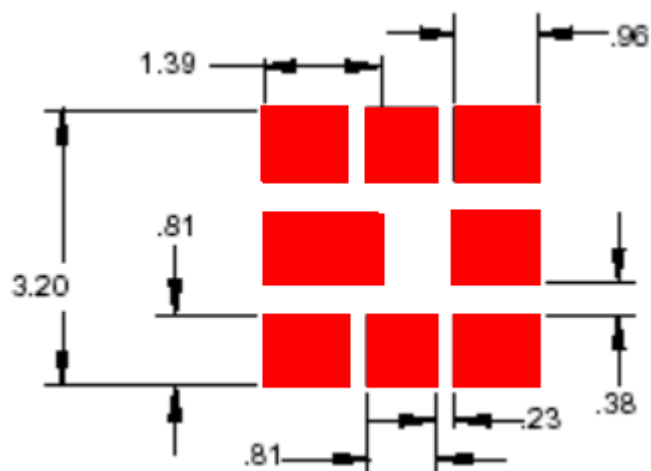
E. Outline Drawing :



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

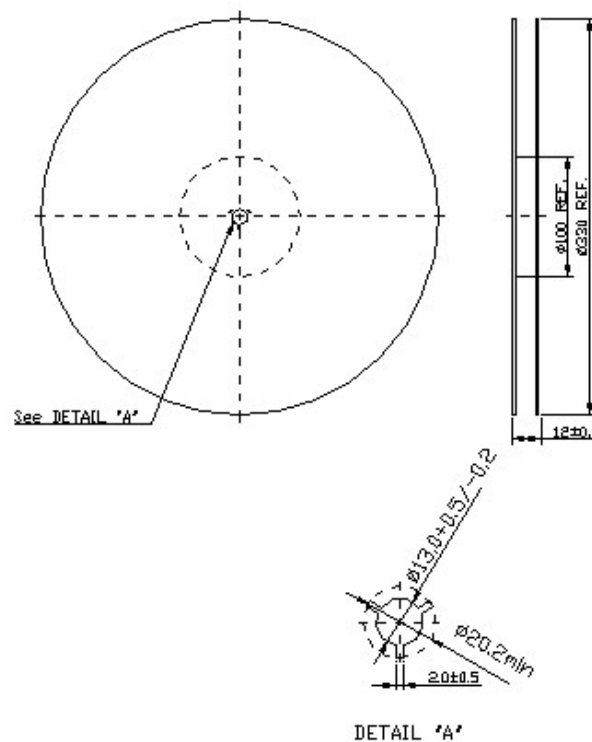
Date code: Provided by planer each year

F. PCB Footprint



G. Packing:

1. REEL DIMENSION



2. TAPE DIMENSION

