



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

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Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 394MHz SMD 5.0x5.0mm

TST Parts No.:TA0559A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Asin Lin

Approval by:_____ Francis Chen

Date:_____ 2007/07/25



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SAW Filter 394 MHz

MODEL NO.: TA0559A

REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 3 V
3. Operating Temperature: -10°C to +50°C
4. Storage Temperature: -40°C to +85°C

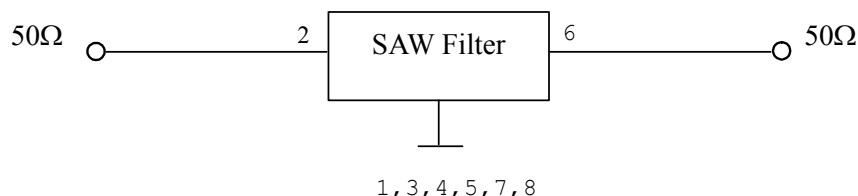
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

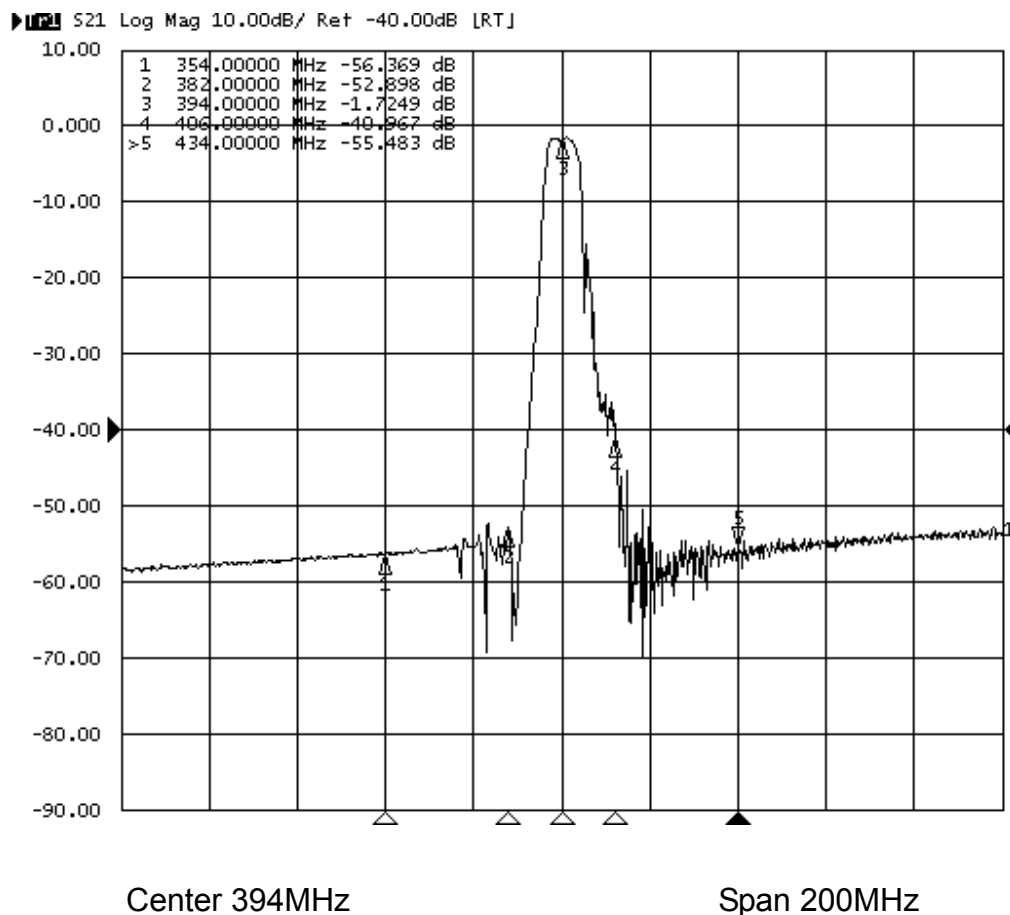
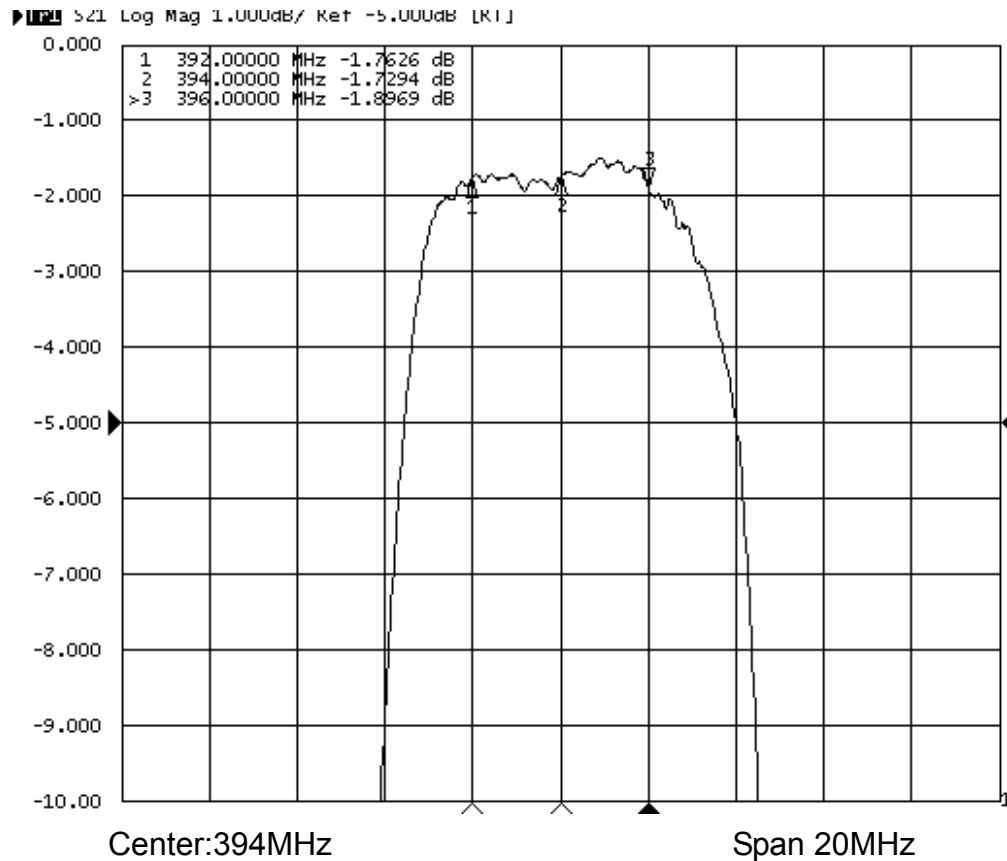
Item			Unit	Min.	Type.	Max.
Center frequency		F _c	MHz	-	394	-
Insertion Loss	392~396MHz	IL	dB	-	1.7	3.0
Ripple	392~396MHz		MHz	-	0.4	1.3
Absolute Attenuation:(Reference level from 0dB)						
F _c -100	to F _c -40	MHz	dB	53	61	-
F _c -40	to F _c -12	MHz	dB	48	52	-
F _c +12	to F _c +40	MHz	dB	35	40	-
F _c +40	to F _c +100	MHz	dB	50	57	-
Source impedance	Z _s		Ω	-	50	-
Load impedance	Z _L		Ω	-	50	-

C. MEASUREMENT CIRCUIT:

HP Network analyzer



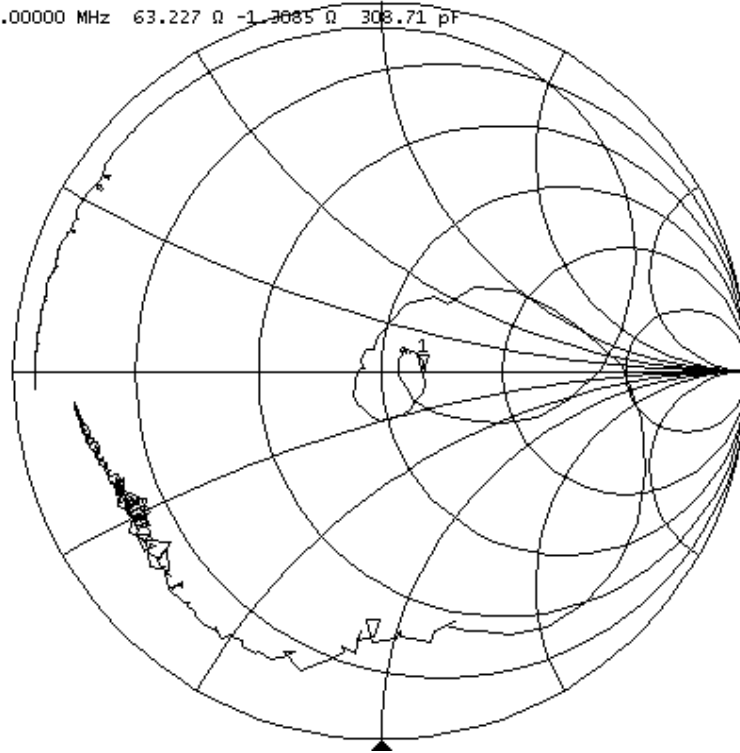
D. FREQUENCY CHARACTERISTICS:



S11

► F1 S11 Smith (R+jX) Scale 1.000U [F2]

>1 394.00000 MHz 63.227 Ω -1.3685 Ω 308.71 pF



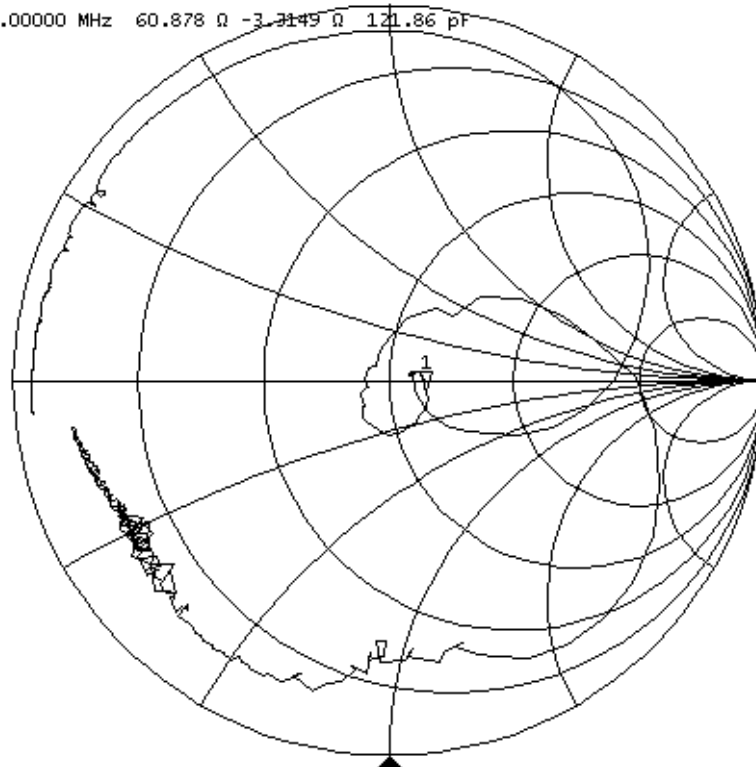
Center 394MHz

Span 100MHz

S22

► F2 S22 Smith (R+jX) Scale 1.000U [F2]

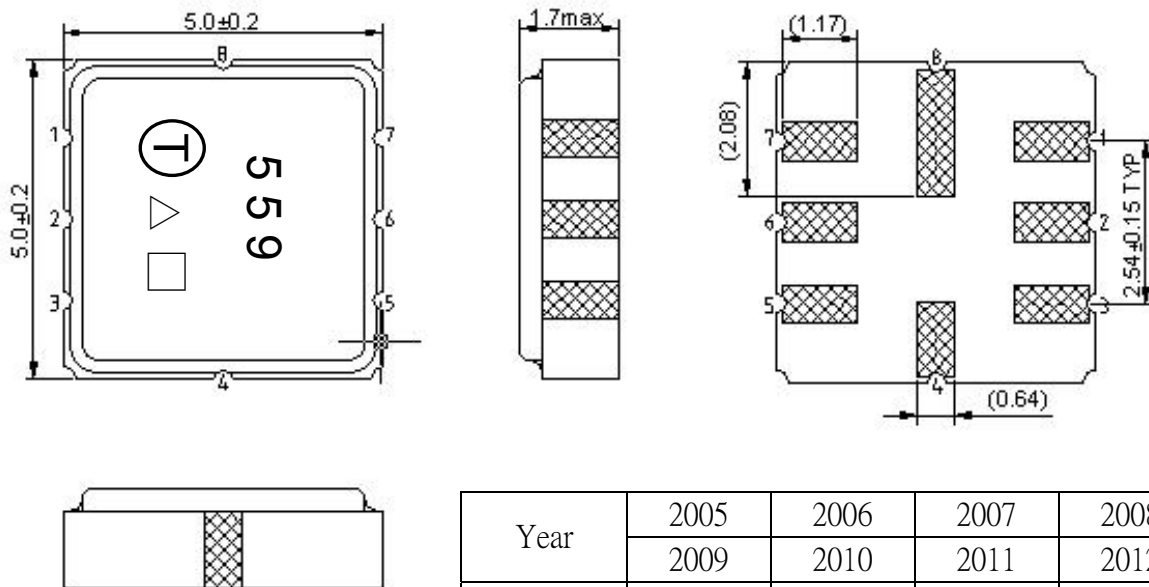
>1 394.00000 MHz 60.878 Ω -3.3149 Ω 121.86 pF



Center 394MHz

Span 100MHz

E.OUTLINE DRAWING:



#2: Input

#6: Output

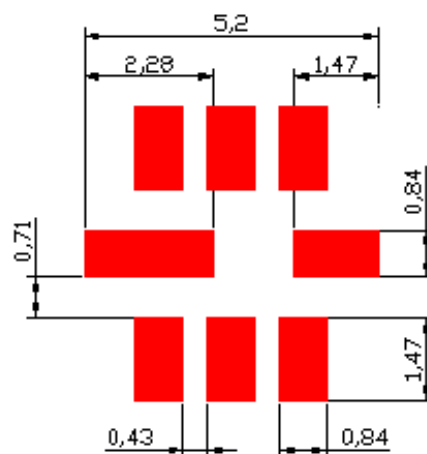
#1,3,4,5,7,8: Ground

△ : Year Code

□ : Date Code (Follow the table provided by planner each year.)

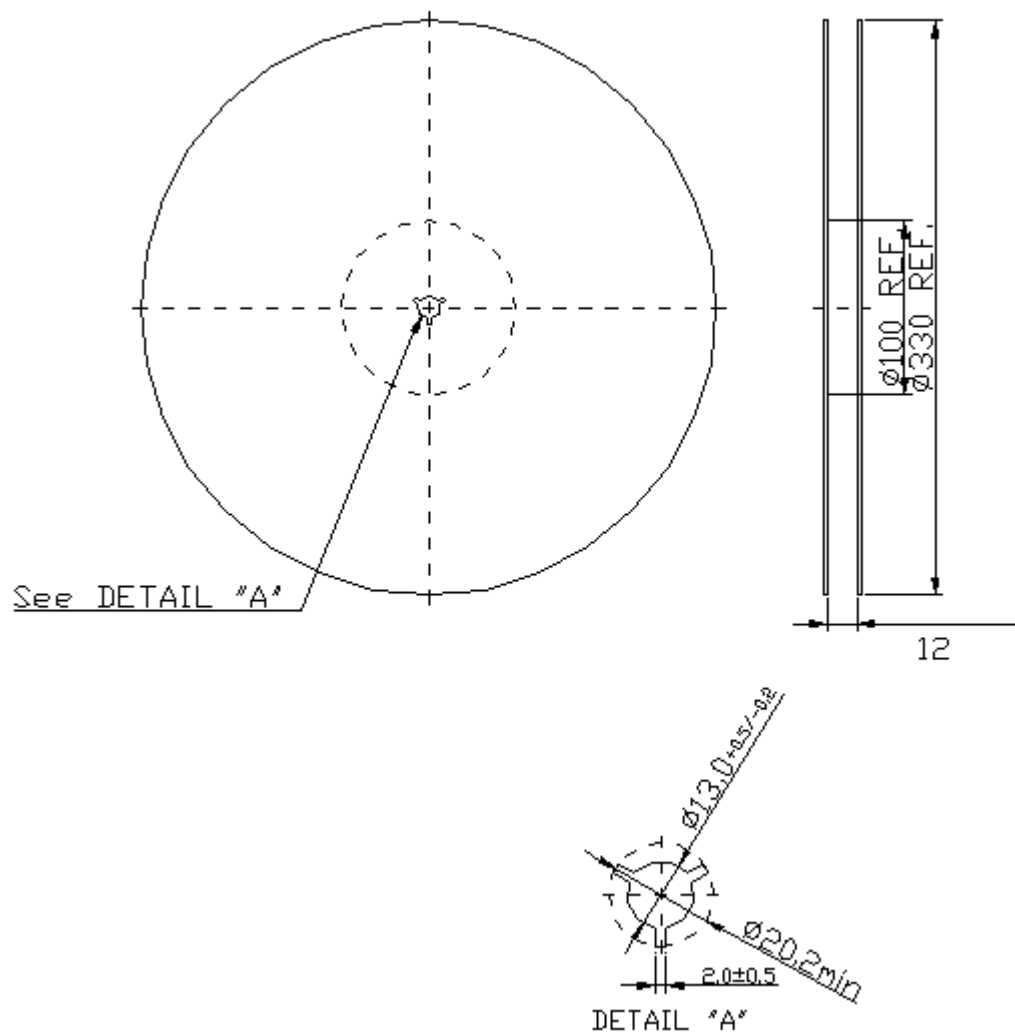
Unit: mm

F. PCB FOOTPRINT:

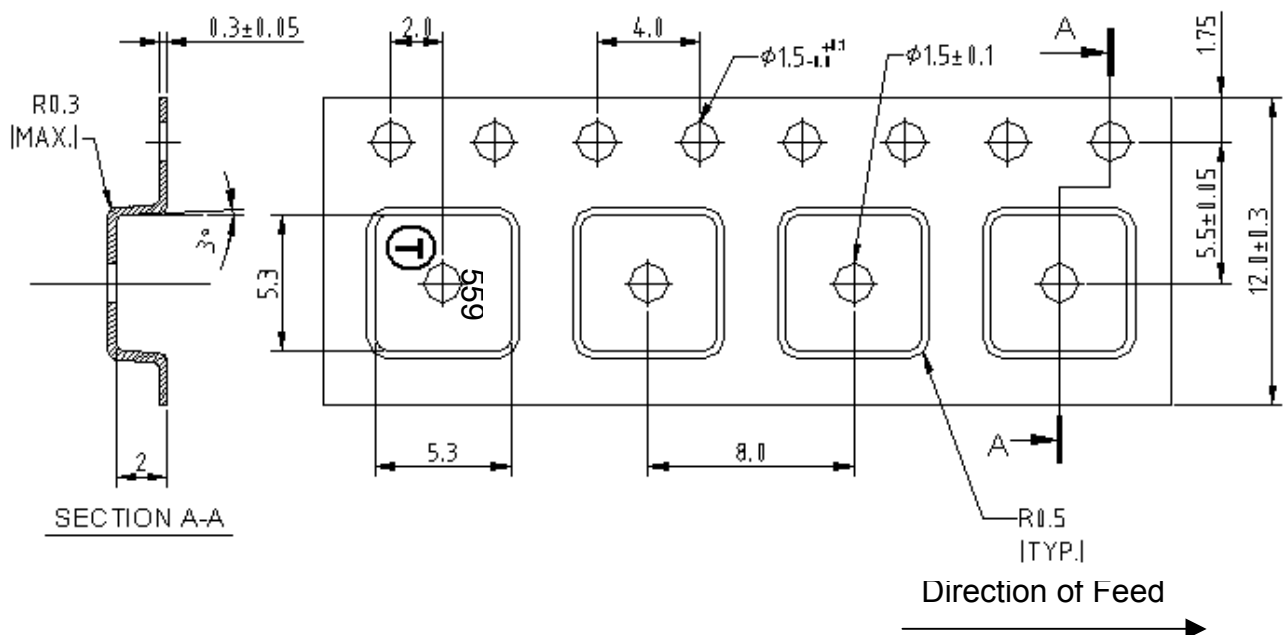


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H.RECOMMENDED REFLOW PROFILE:

