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

Approval Sheet For Product Specification

Issued Date: October, 24, 2008

Product Name: SAW Filter 622.08MHz SMD 3.8*3.8 mm **(BW=3MHz)**

TST Parts No.: :TA0911A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Paul Ni Paul

Approval by: Francis Chen

Date: 2008/10/24

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SAW Filter 622.08 MHz

MODEL NO.: TA0911A REV. NO：1.0

A. MAXIMUM RATING:

RoHS Compliant
Lead free
Lead-free soldering

1.Input Power Level: 10 dB_m

2.DC voltage: 5 V

3.Operating Temperature: -40°C to +85°C

4.Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Singled to Singled operation

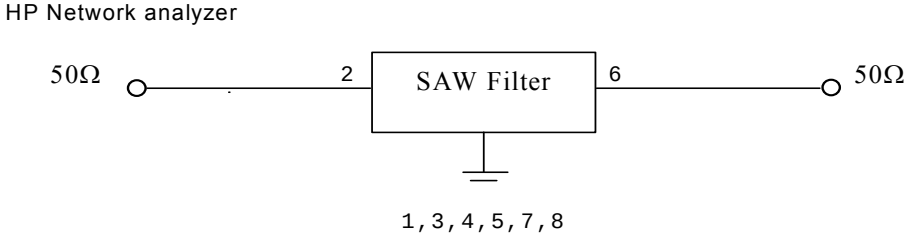
Terminating source impedance： Zs = 50 Ω

Terminating load impedance： Zs = 50 Ω

Item	Unit	Min.	Typ.	Max.
Center frequency Fo	MHz	-	622.08	-
Insertion loss at Fo IL	dB	-	2.2	3.5
3 dB bandwidth	MHz	-	10.0	-
Ripple (620.58 ~ 623.58 MHz)	dB	-	0.22	1.0
Attenuation (Reference level from 0 dB)				
10 ~ 600 MHz	dB	40	50.6	-
600 ~ 610 MHz	dB	8	39.1	-
640 ~ 644 MHz	dB	35	57.0	-
644 ~ 700 MHz	dB	40	54.3	-
Temperature Coefficient	Ppm/℃	-	-36	-

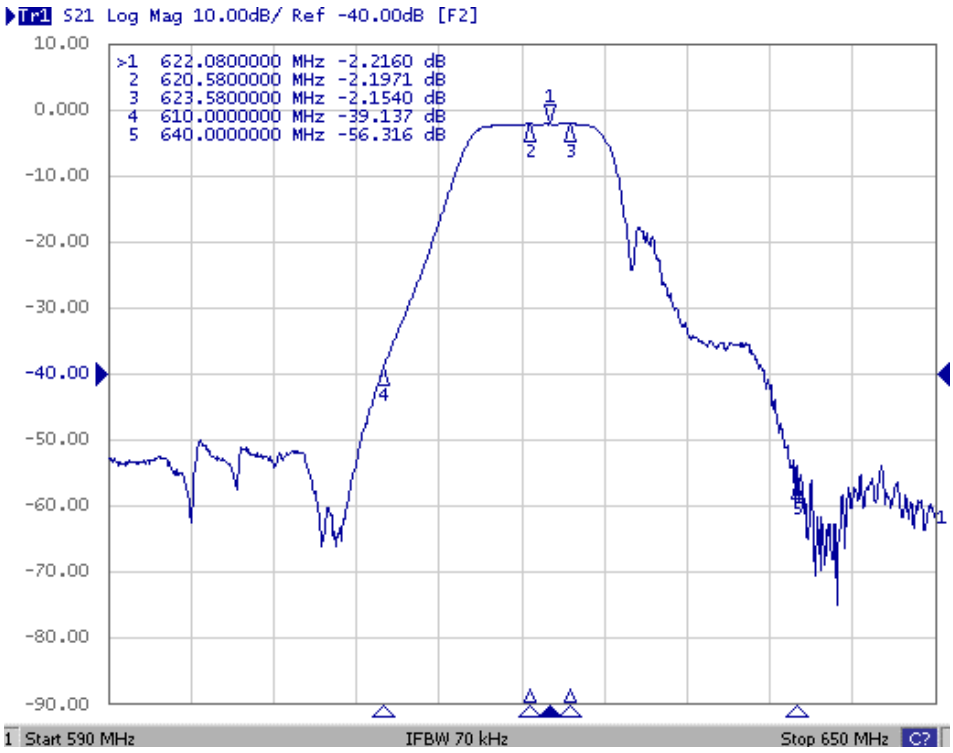
C. MEASUREMENT CIRCUIT:

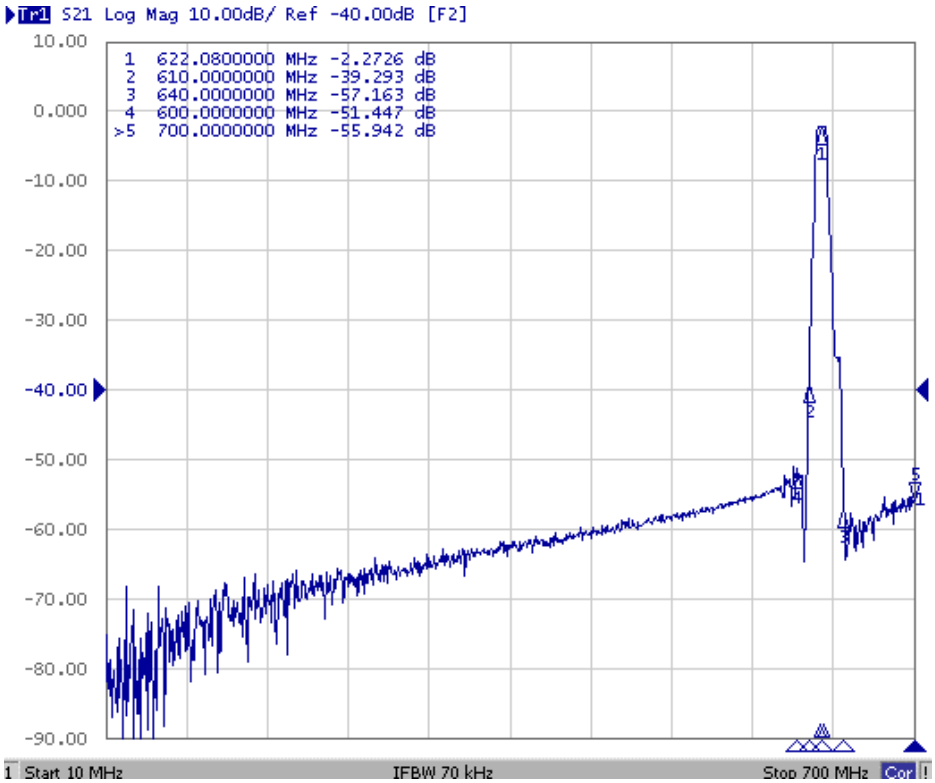
50 Ohm Test circuit (single-ended / single-ended)



D. Frequency Characteristics :

Transfer function





E. ELECTRICAL CHARACTERISTICS:

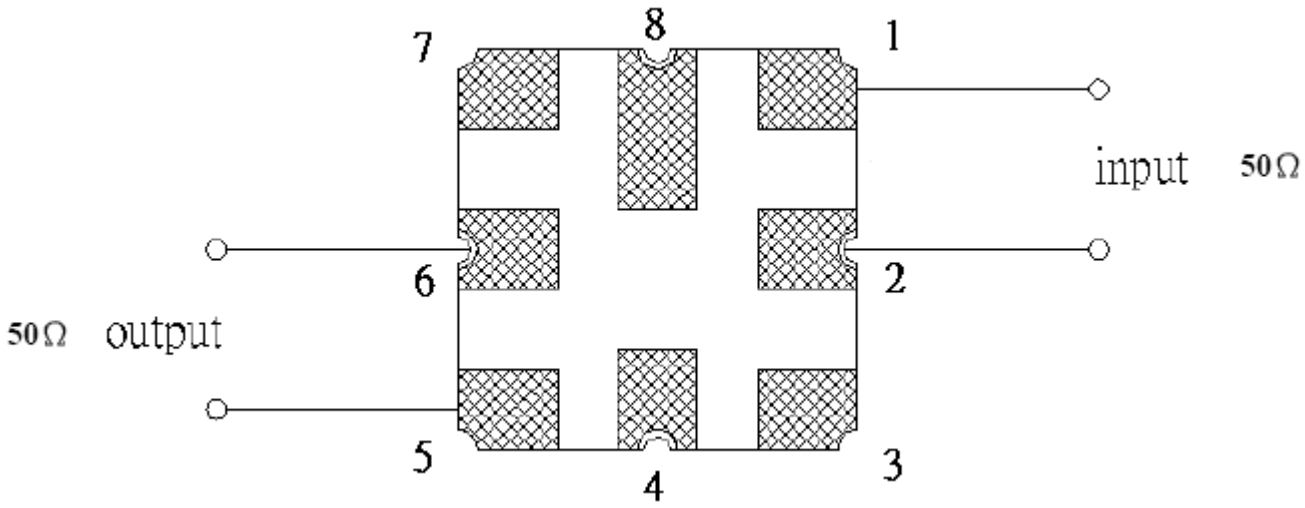
Balanced to Balanced operation

Terminating source impedance： Zs = 50 Ω

Terminating load impedance： Zs = 50 Ω

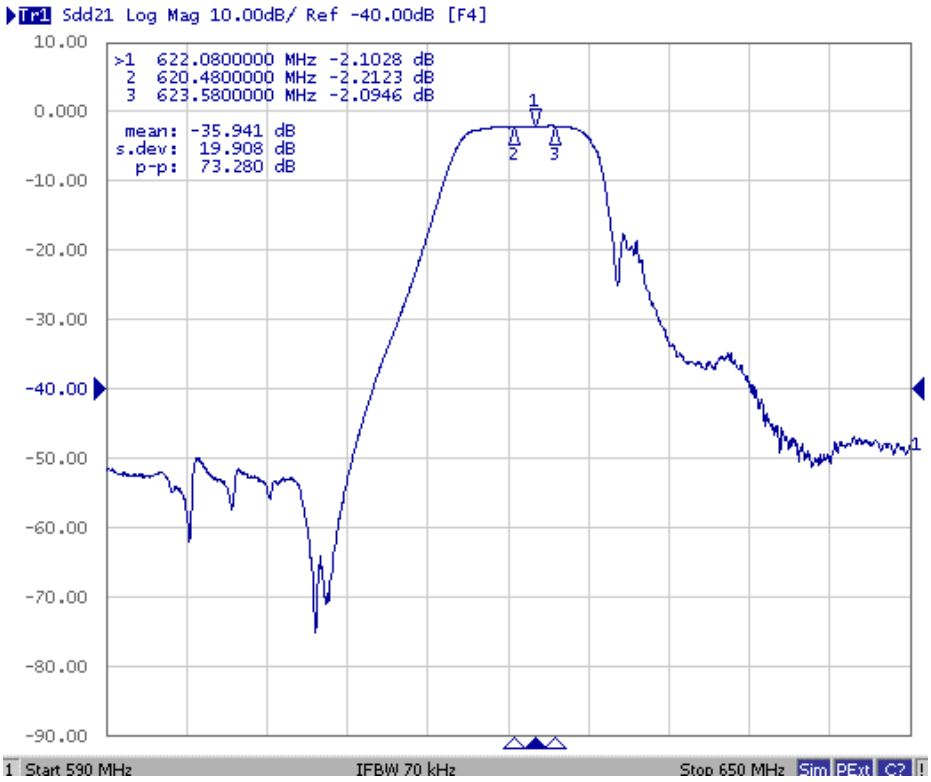
Item	Unit	Min.	Typ.	Max.
Center frequency Fo	MHz	-	622.08	-
Insertion loss at Fo IL	dB	-	2.2	3.5
3 dB bandwidth	MHz	-	10	-
Ripple (620.58 ~ 623.58 MHz)	dB	-	0.2	1.0
Attenuation (Reference level from 0 dB)				
10 ~ 600 MHz	dB	40	50.1	-
600 ~ 610 MHz	dB	8	39.4	-
640 ~ 644 MHz	dB	32	46.1	-
644 ~ 700 MHz	dB	38	46.8	-
Temperature Coefficient	Ppm/℃	-	-36	-

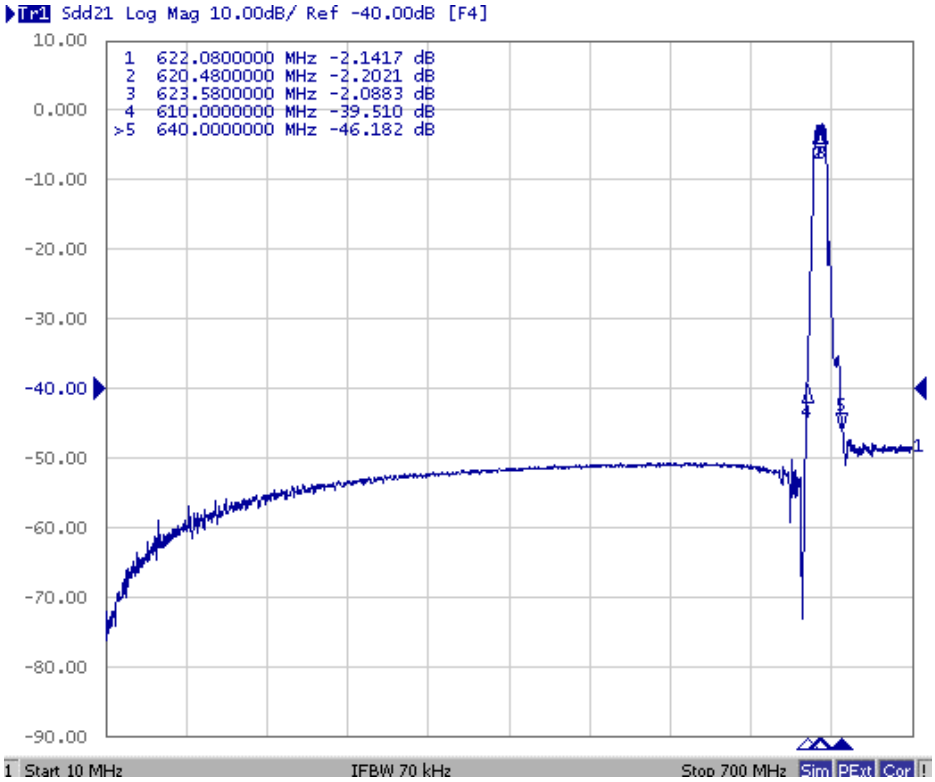
F. MEASUREMENT CIRCUIT:



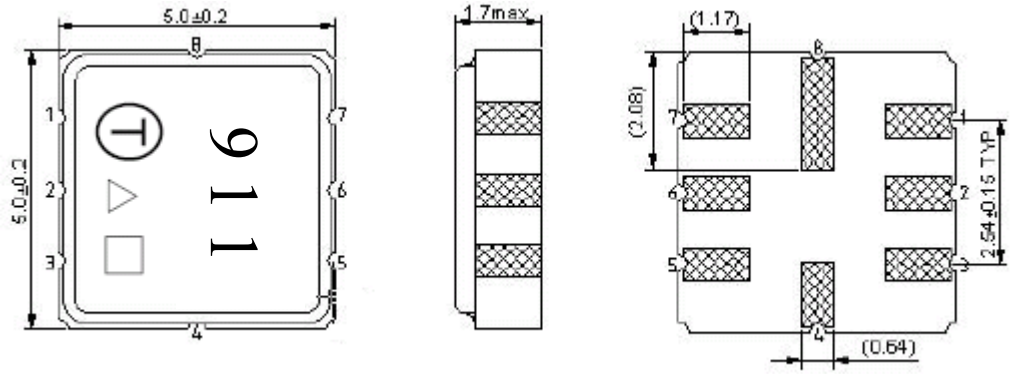
G. Frequency Characteristics :

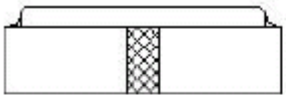
Transfer function





H.OUTLINE DRAWING:





Year	2005	2006	2007	2008
	2009	2010	2011	2012
Year Code	A	a	A	a

#2: Input

#6: Output

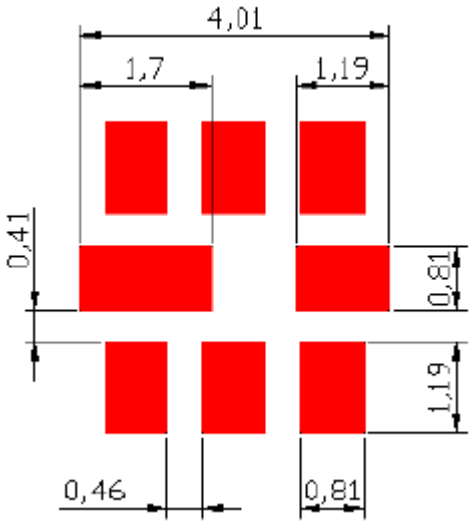
#1,3,4,5,7,8: Ground

△ : Year Code

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

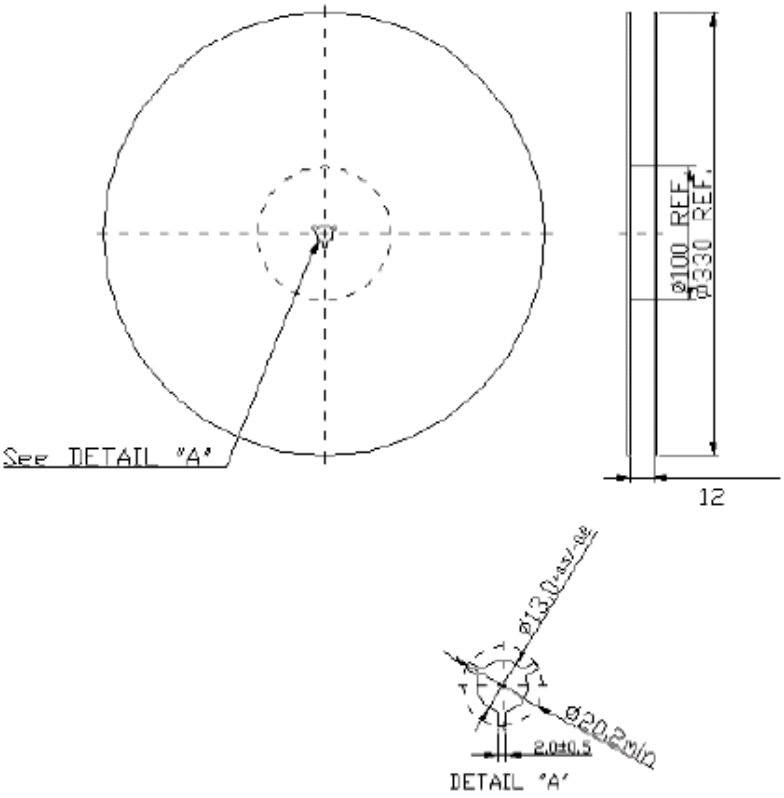
Unit: mm

I. PCB Footprint：

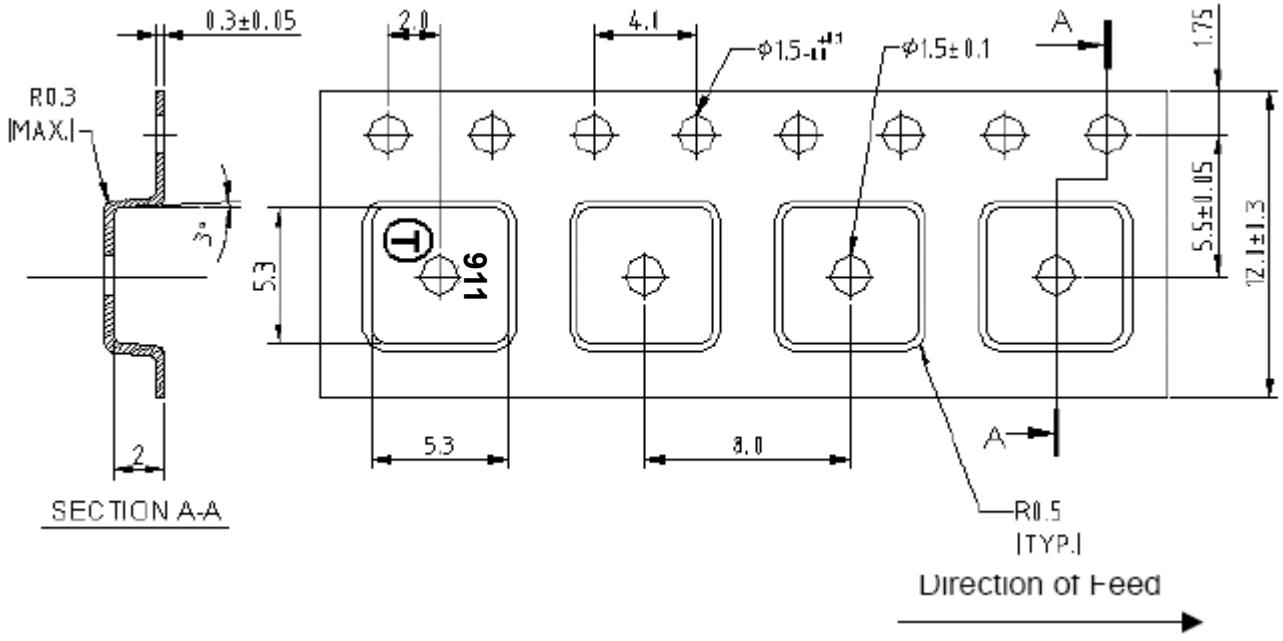


J. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



K.RECOMMENDED REFLOW PROFILE:

