



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 625MHz SMD 3.8*3.8 mm (BW=3MHz)

TST Parts No.: TA0912A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: Paul Ni *Paul*

Approval by: Francis Chen *Francis*

Date: 2008/10/24



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: October, 24, 2008

Product Name: SAW Filter 625MHz SMD 3.8*3.8 mm (**BW=3MHz**)

TST Parts No.: TA0912A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: Paul Ni _____

Approval by: Francis Chen _____

Date: 2008/10/24 _____



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 625 MHz

MODEL NO.: TA0912A

REV. NO : 1.0

A. MAXIMUM RATING:

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

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Singled to Singled operation

Terminating source impedance : $Z_s = 50 \Omega$

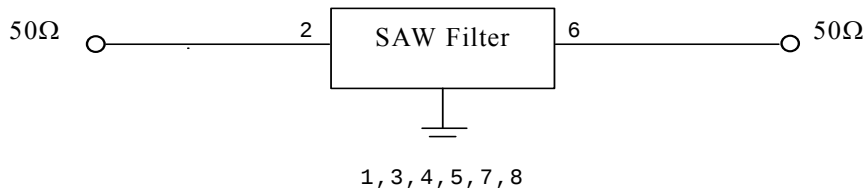
Terminating load impedance : $Z_s = 50 \Omega$

Item	Unit	Min.	Typ.	Max.
Center frequency Fo	MHz	-	625	-
Insertion loss at Fo IL	dB	-	2.2	3.5
3 dB bandwidth	MHz	-	10.2	-
Ripple (623.5~626.5 MHz)	dB	-	0.21	1.0
Attenuation (Reference level from 0 dB)				
10 ~ 600 MHz	dB	40	52.0	-
600 ~ 615 MHz	dB	8	28.8	-
643 ~ 647 MHz	dB	35	53.9	-
647 ~ 700 MHz	dB	40	54.6	-
Temperature Coefficient	Ppm/°C	-	-36	-

C. MEASUREMENT CIRCUIT:

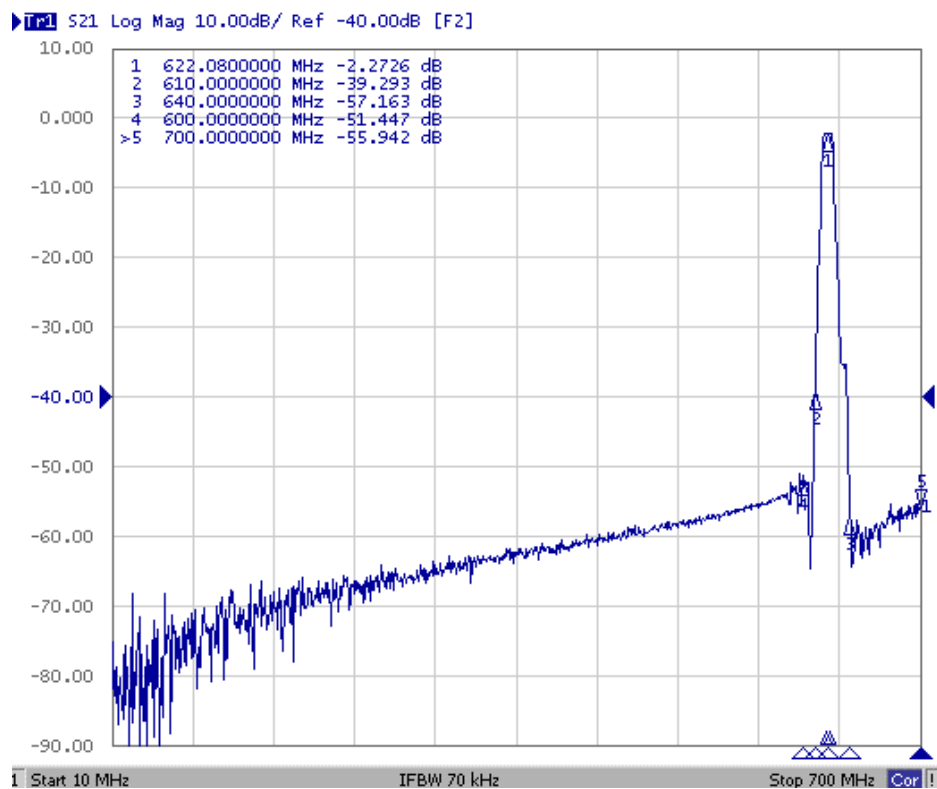
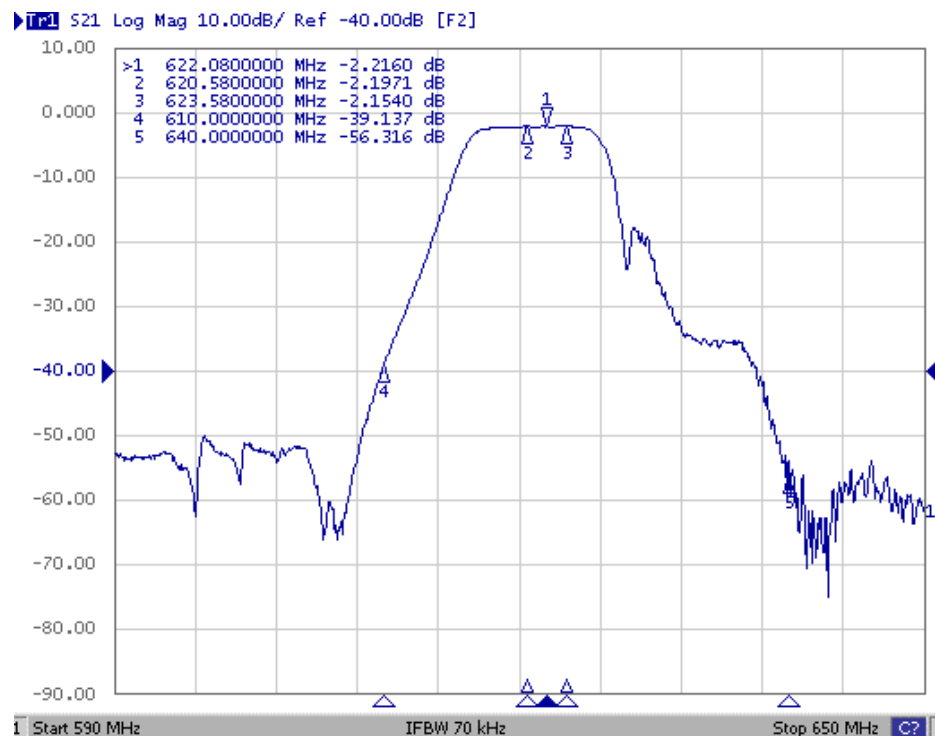
50 Ohm Test circuit (single-ended / single-ended)

HP Network analyzer



D. Frequency Characteristics :

Transfer function



E. ELECTRICAL CHARACTERISTICS:

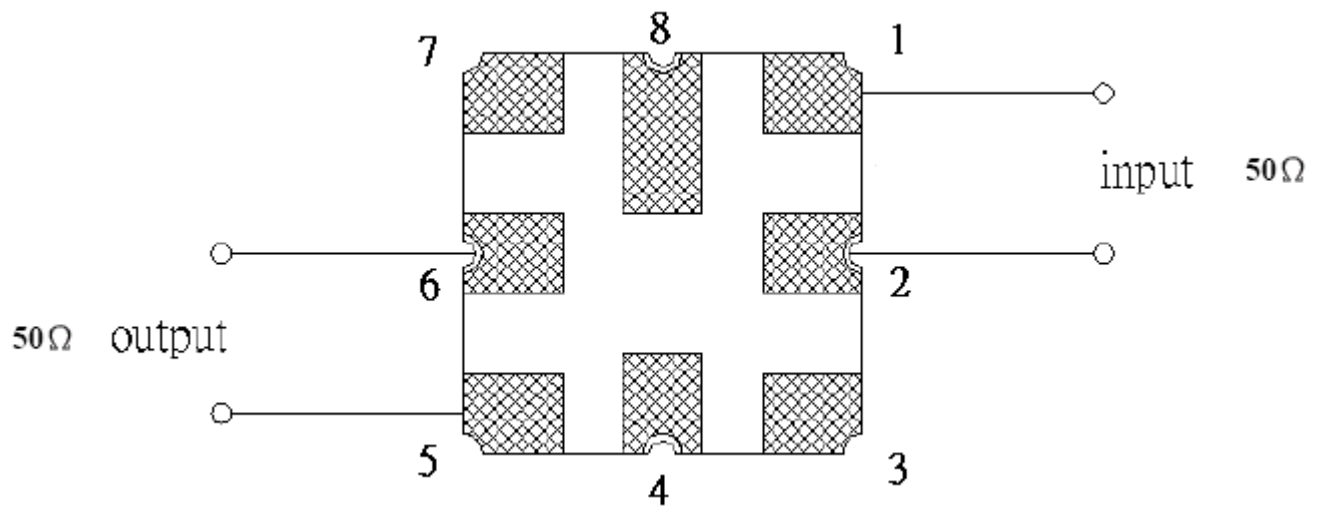
Balanced to Balanced operation

Terminating source impedance : $Z_s = 50\ \Omega$

Terminating load impedance : $Z_s = 50\ \Omega$

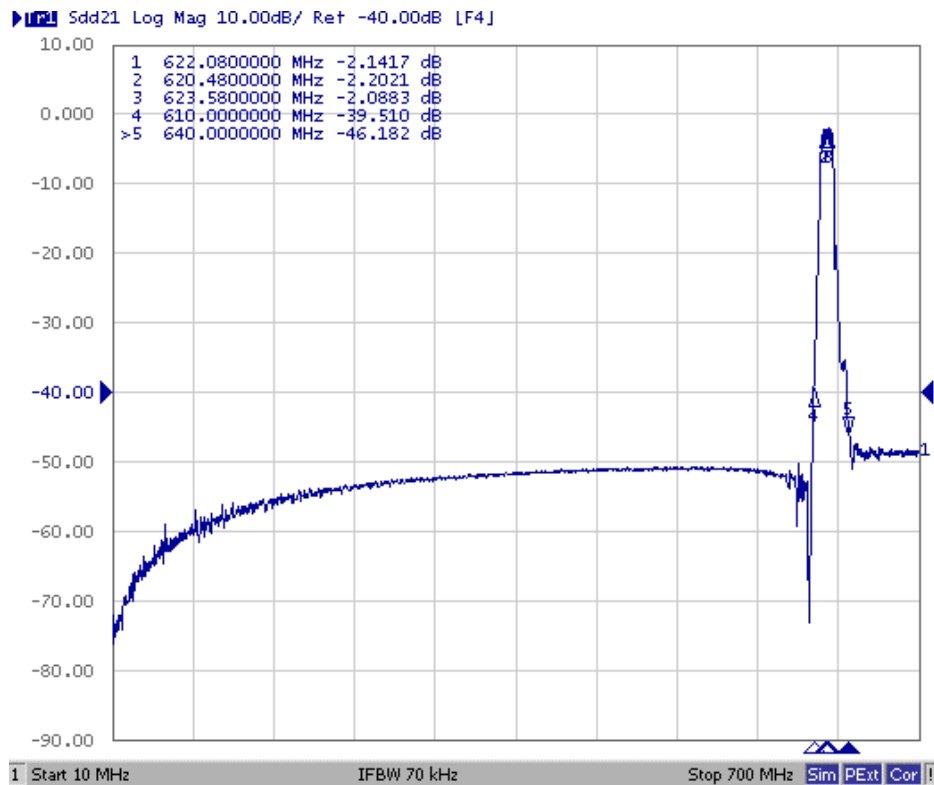
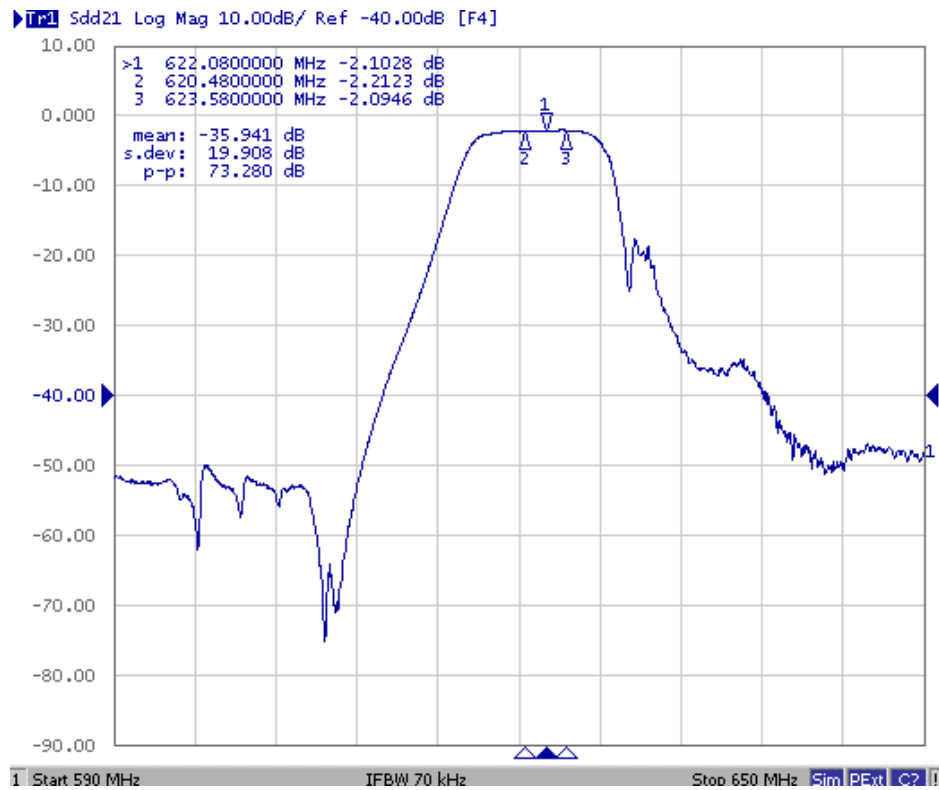
Item	Unit	Min.	Typ.	Max.
Center frequency Fo	MHz	-	625	-
Insertion loss at Fo IL	dB	-	2.2	3.5
3 dB bandwidth	MHz	-	10.2	-
Ripple (623.5~626.5 MHz)	dB	-	0.3	1.0
Attenuation (Reference level from 0 dB)				
10 ~ 600 MHz	dB	40	54.0	-
600 ~ 615 MHz	dB	8	27.5	-
643 ~ 647 MHz	dB	32	46.9	-
647 ~ 700 MHz	dB	38	48.5	-
Temperature Coefficient	Ppm/°C	-	-36	-

F. MEASUREMENT CIRCUIT:

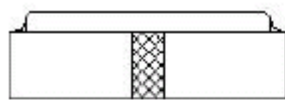
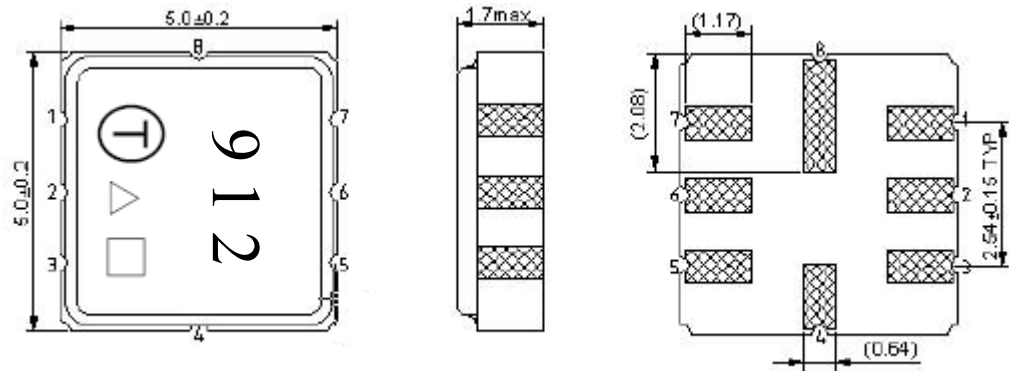


G. Frequency Characteristics :

Transfer function



H.OUTLINE DRAWING:



#2: Input

#6: Output

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

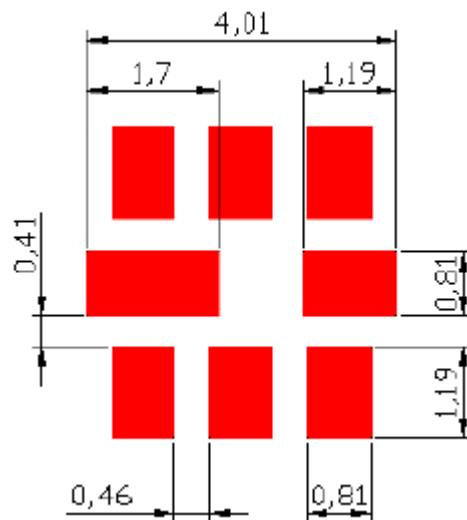
△ : Year Code

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

Unit: mm

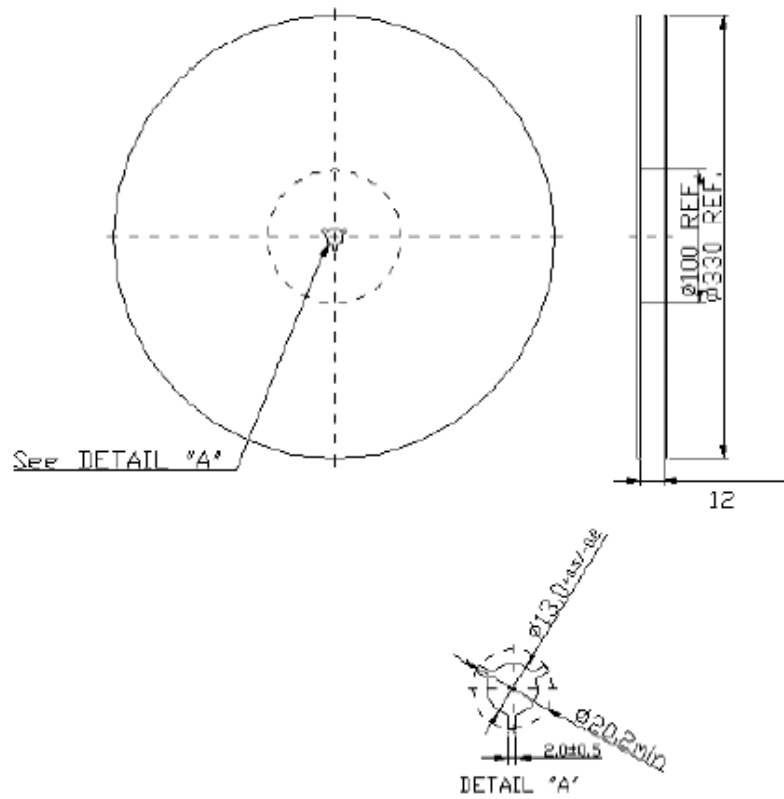
Year	2005	2006	2007	2008
	2009	2010	2011	2012
Year Code	A	a	<u>A</u>	<u>a</u>

I. PCB Footprint :

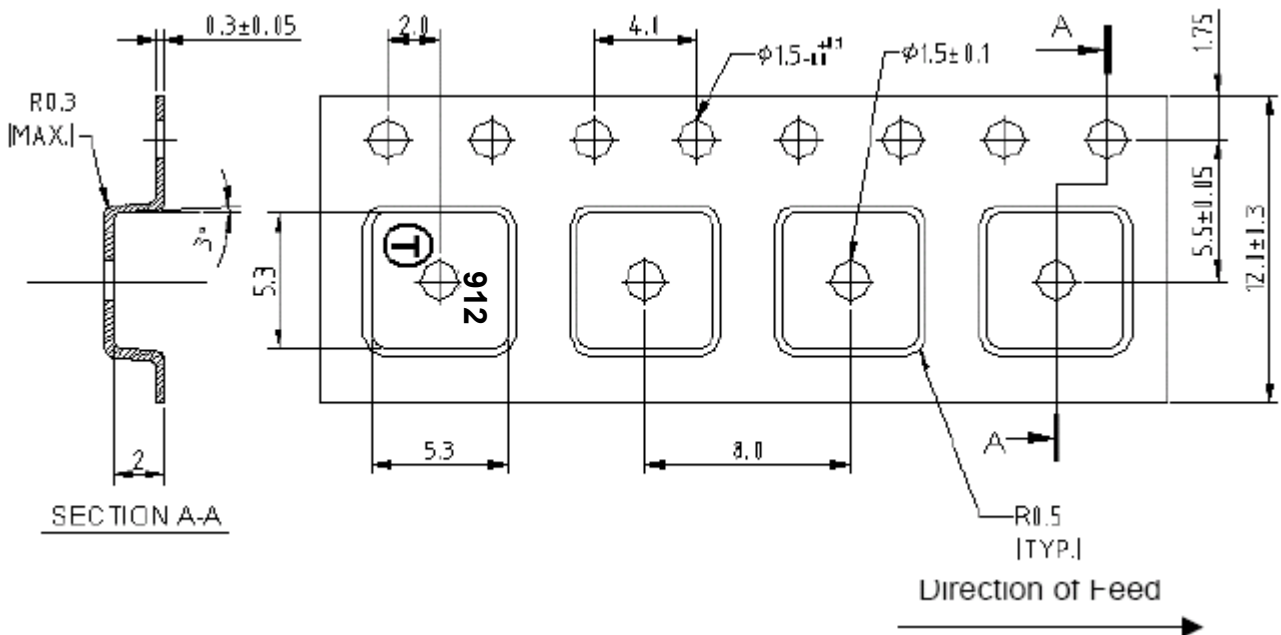


J. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



K.RECOMMENDED REFLOW PROFILE:

