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

Product Specifications Approval Sheet

Product Description: SAW Filter 618.25 MHz SMD 5.0x5.0 mm (BW=2.5 MHz)

TST Part No.: TA1650A

Customer Part No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: David Chang 張閔智

Approved by: Bob Chau

Date: 2013/08/13

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.

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SAW Filter 618.25 MHz

MODEL NO.:TA1650A REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3 V
3. Operating Temperature: 0°C to +50°C
4. Storage Temperature: -40°C to +85°C

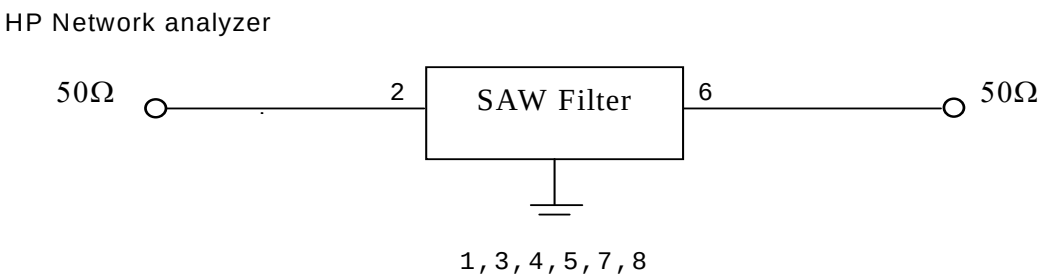
RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

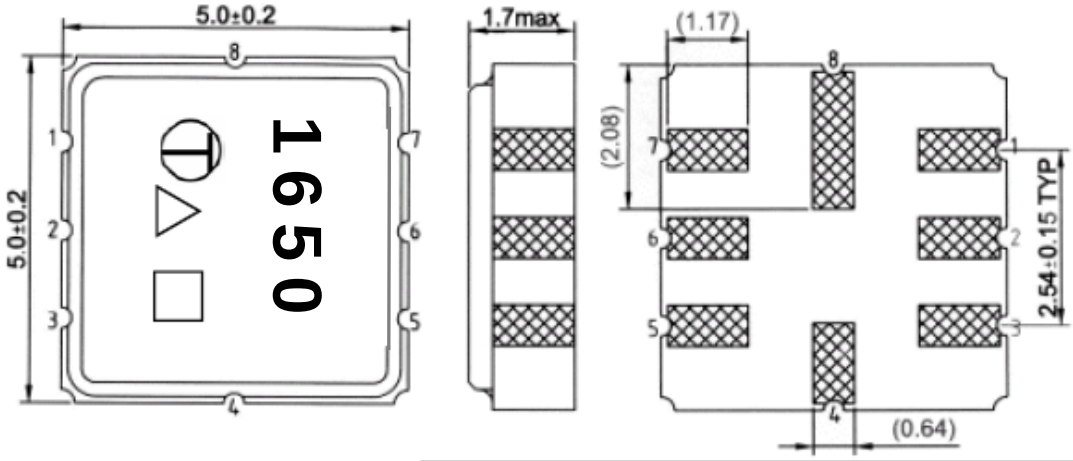
B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center frequency **Fc**	MHz	-	618.25	-
Insertion Loss at Fc **FcIL**	dB	-	2.4	3.5
Amplitude Ripple (617~619.5 MHz)	dB	-	0.2	1.5
2 dB Bandwidth **BW_{2dB}**	MHz	2.5	8	-
Group Delay Ripple (617~619.5 MHz)	ns	-	30	100
VSWR (617~619.5 MHz)	-	-	1.3	2.0
Attenuation (Reference level from 0 dB)				
DC ~ 609.5 MHz	dB	35	44	-
627.5 ~ 900 MHz	dB	15	43	-
900 ~ 1300 MHz	dB	40	48	-
1300 ~ 2000 MHz	dB	20	27	-
2000 ~ 2100 MHz	dB	15	23	-
2100 ~ 3000 MHz	dB	3	5	-
Temperature coefficient of frequency	ppm/k	-	-30	-

C. MEASUREMENT CIRCUIT:



D. OUTLINE DRAWING:



Year	2009	2010	2011	2012
	2013	2014	2015	2016
	2017	2018	2019	2020
Year Code	**A**	**a**	**A**	**a**

#2：Input

#6：Output

#4、8：Case Ground

#1、3、5、7：Ground

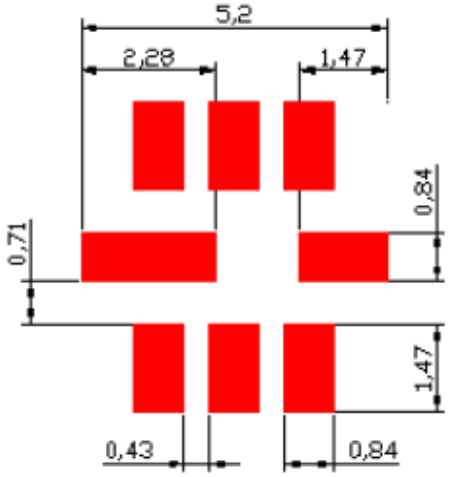
Δ：Year Code

□：Data Code

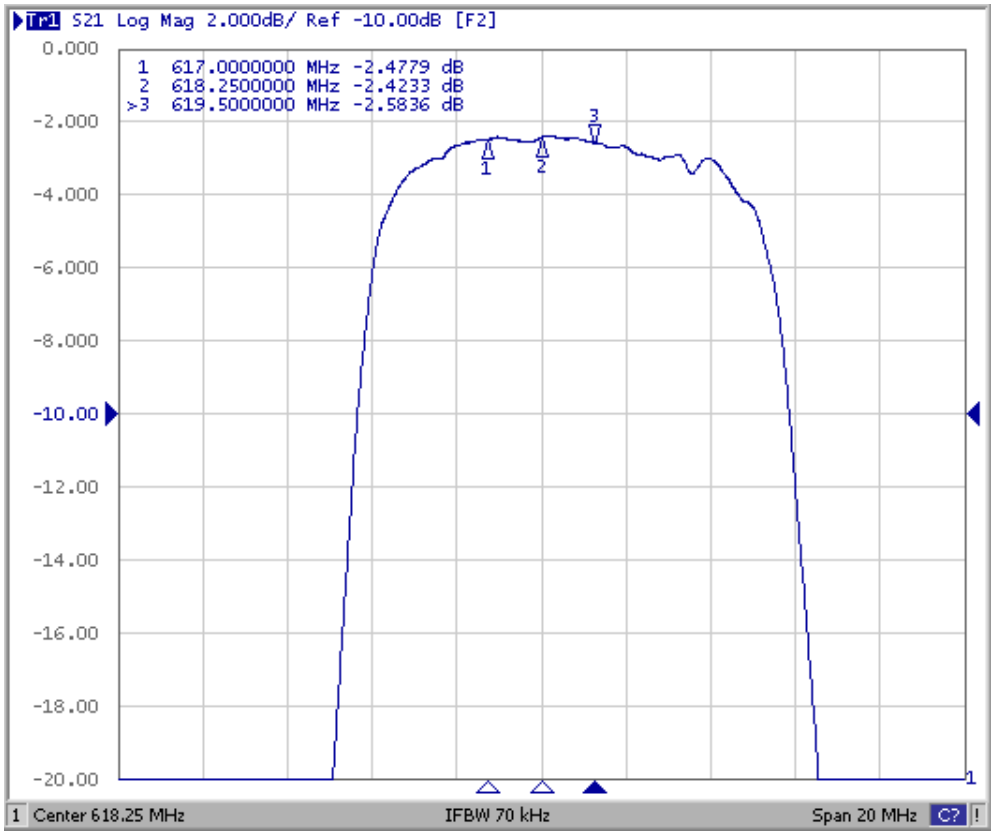
Date Code Table:

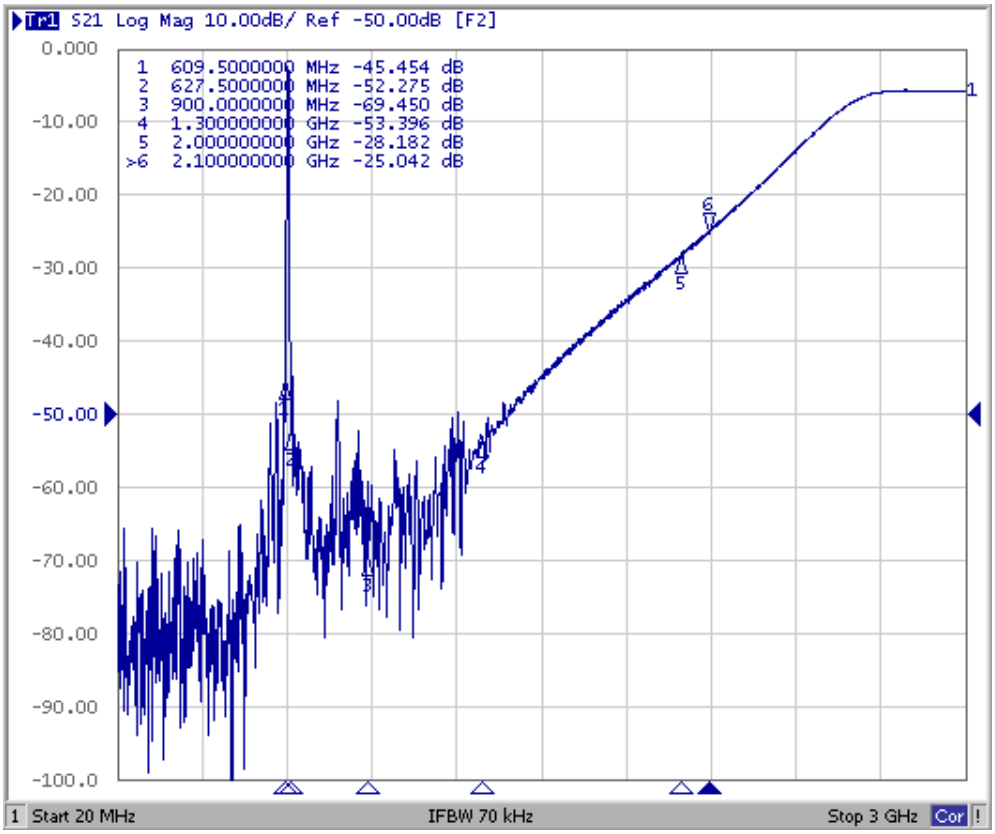
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45	WK46	WK47	WK48	WK49	WK50	WK51	WK52
n	o	p	q	r	s	t	u	v	w	x	y	z

E. PCB Footprint:



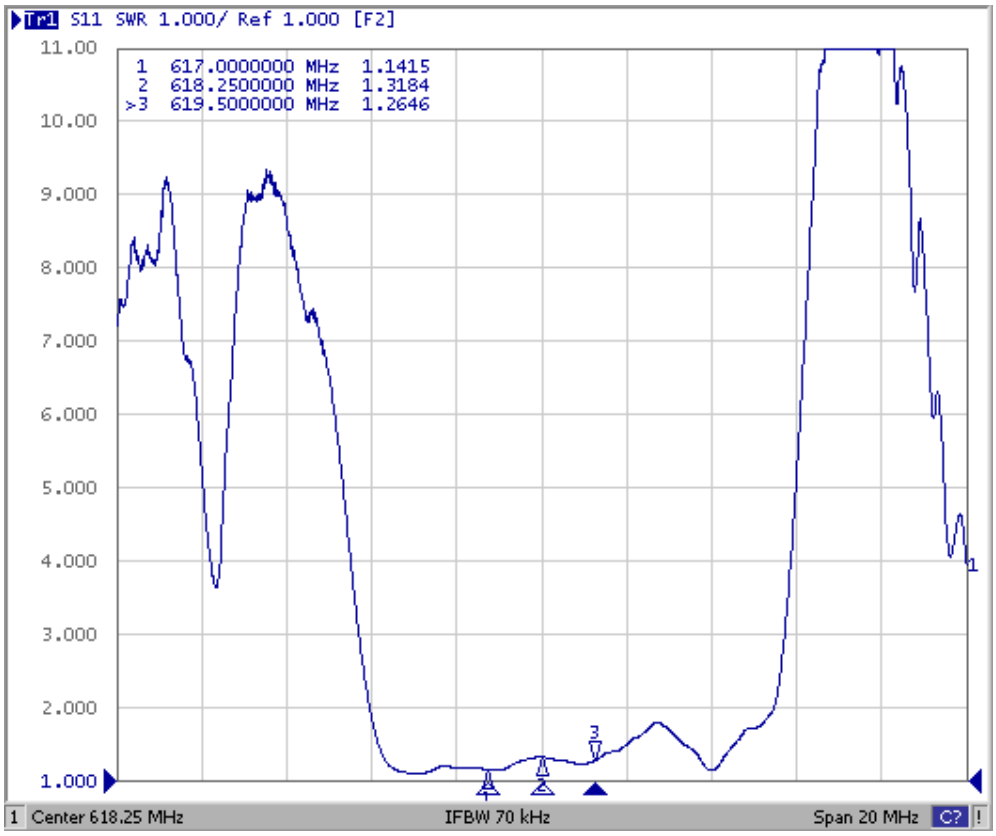
F. Frequency Characteristics:



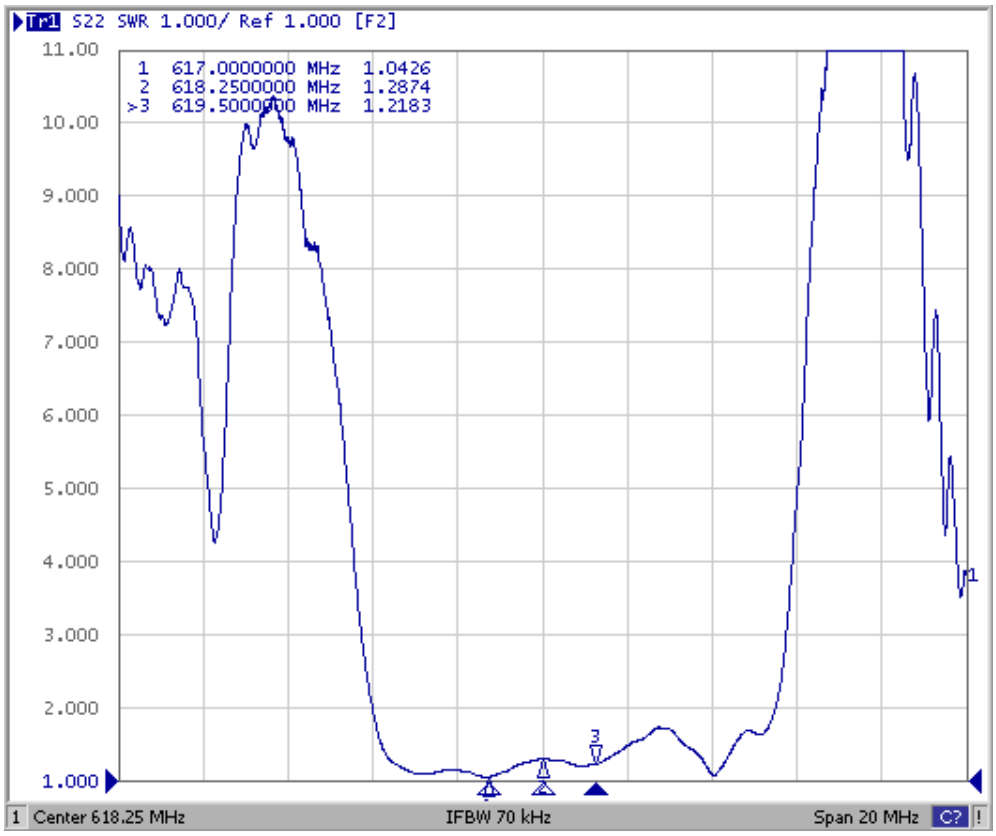


Reflection Functions:

S11



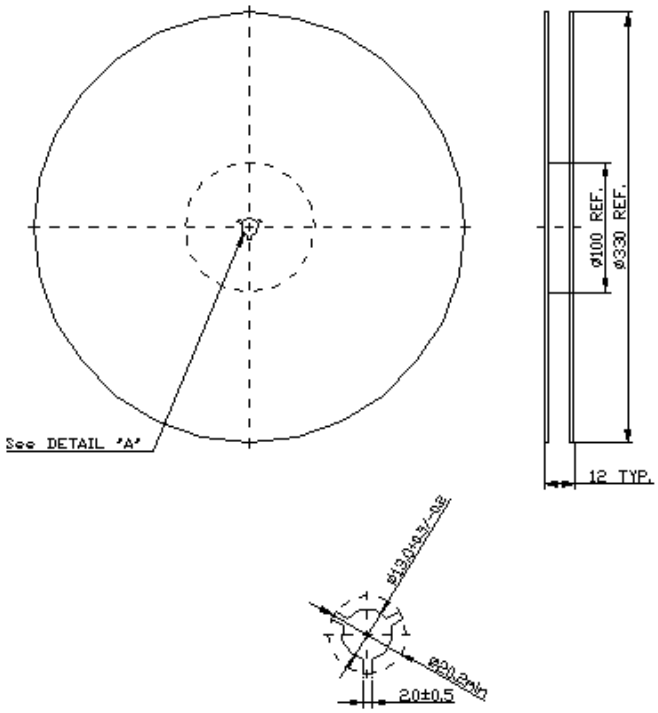
S22



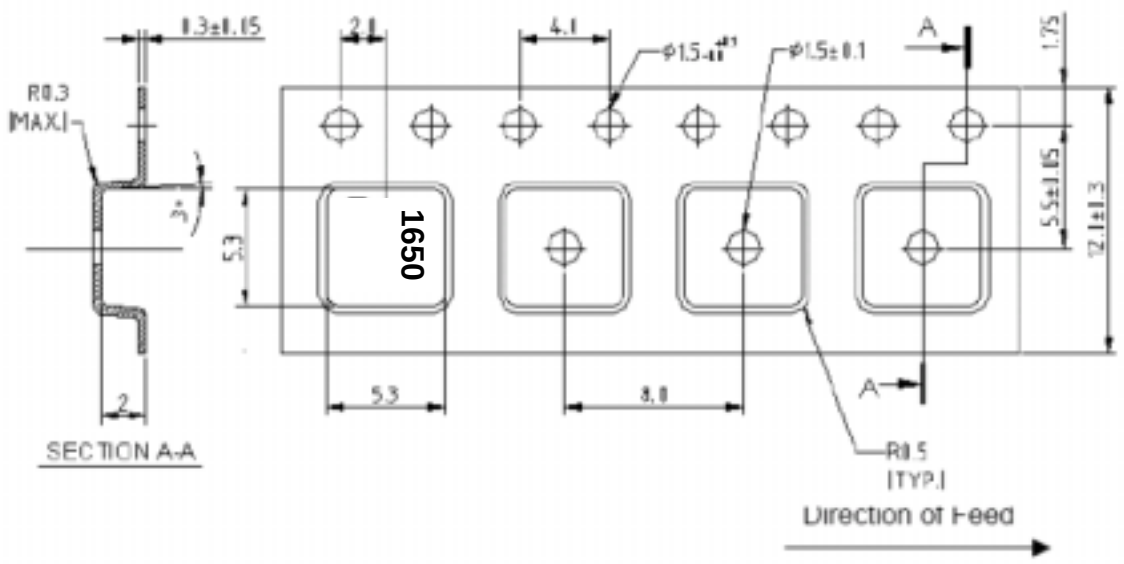
G. PACKING:

1. REEL DIMENSION

(Please refer to FR-75D10 for packing quantity)



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE:

