

# TAI-SAW TECHNOLOGY CO., LTD.

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

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## Product Specifications Approval Sheet

Issued Date: Oct, 23, 2013

Product Name: SAW Filter 1579.5 MHz SMD 3.0x3.0 mm (BW=57MHz)

TST Parts No.:TA1621A

Customer Parts No.: \_\_\_\_\_

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: \_\_\_\_\_ Paul Ni *Paul Ni*

Approval by: \_\_\_\_\_ Bob Chau *Bob Chau*

Date: \_\_\_\_\_ 10, 23, 2013

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 1579.5 MHz

MODEL NO.: TA1621A

REV. NO : 1.0

### A. MAXIMUM RATING:

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

RoHS Compliant  
Lead free  
Lead-free soldering

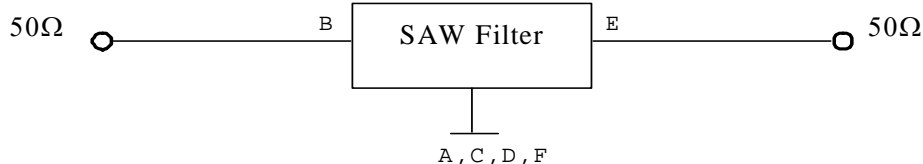
Electrostatic Sensitive Device (ESD)

### B. ELECTRICAL CHARACTERISTICS:

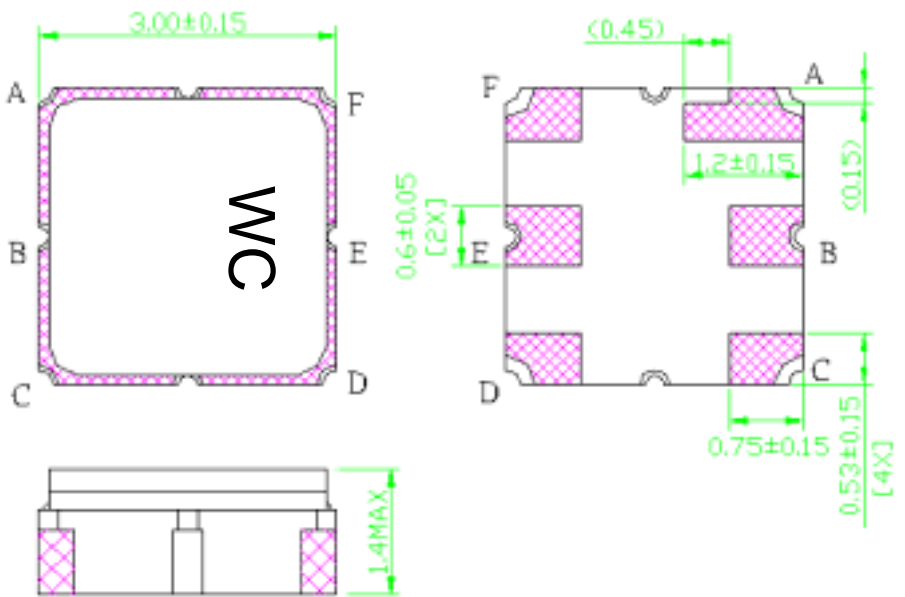
Item	Unit	Min.	Typ.	Max.	
Center frequency	Fc	dB	-	1579.5	-
Insertion loss within 1551 ~1608 MHz	IL	dB	-	2.1	3.8
Amplitude ripple (p-p) within 1551 ~ 1608 MHz		dB	-	1.1	2.5
VSWR within 1551 ~ 1608 MHz		-	-	1.8	2.5
<b>Attenuation</b> (Reference level from 0 dB)					
10.000 ~ 1490.0	MHz	dB	17	25	-
1700.0 ~ 2300.0	MHz	dB	23	28	-
2300.0 ~ 3000.0	MHz	dB	20	28	-
Temperature Coefficient of Frequency		ppm/	-	-36	-
Source impedance	Zs	Ω	-	50	-
Load impedance	ZL	Ω	-	50	-

### C. MEASUREMENT CIRCUIT:

HP Network analyzer



**D.OUTLINE DRAWING:**



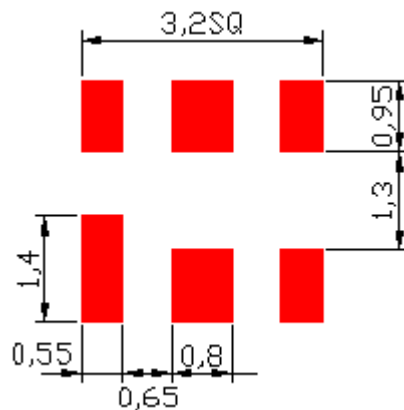
B : Input  
 E : Output  
 A, C, D, F : Ground  
 Unit : mm

: Year Code (2013->3, 2014->4, ..., 2018->8)

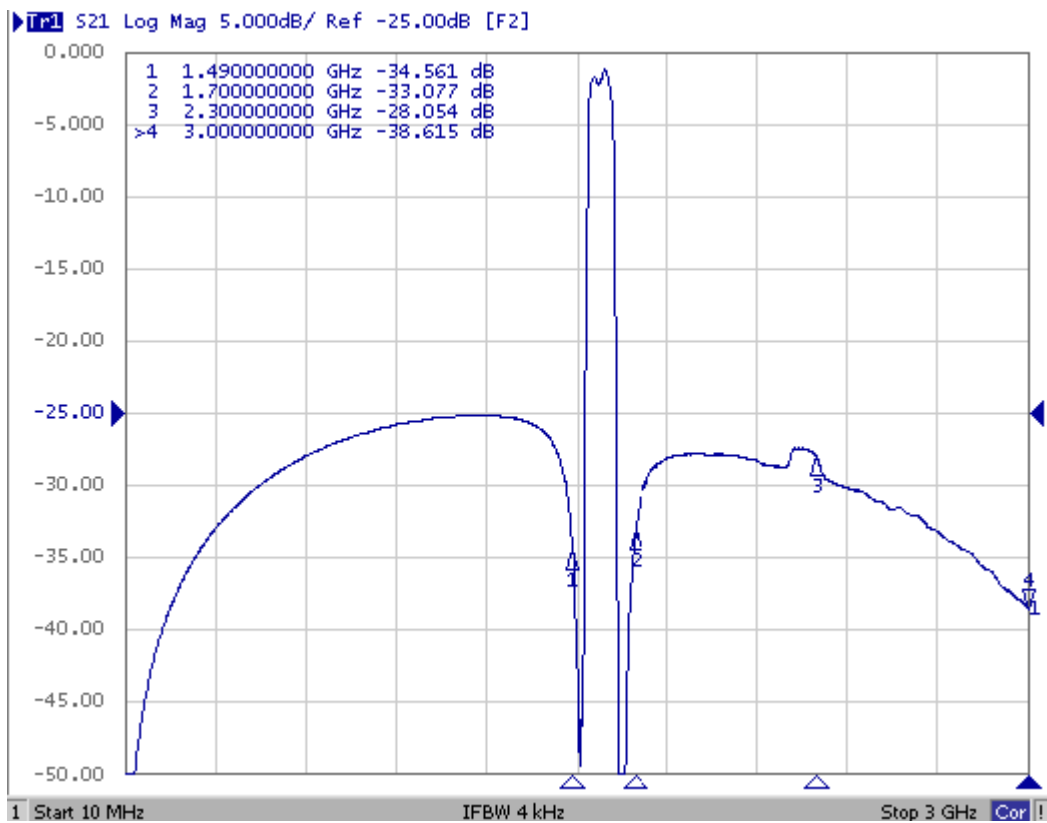
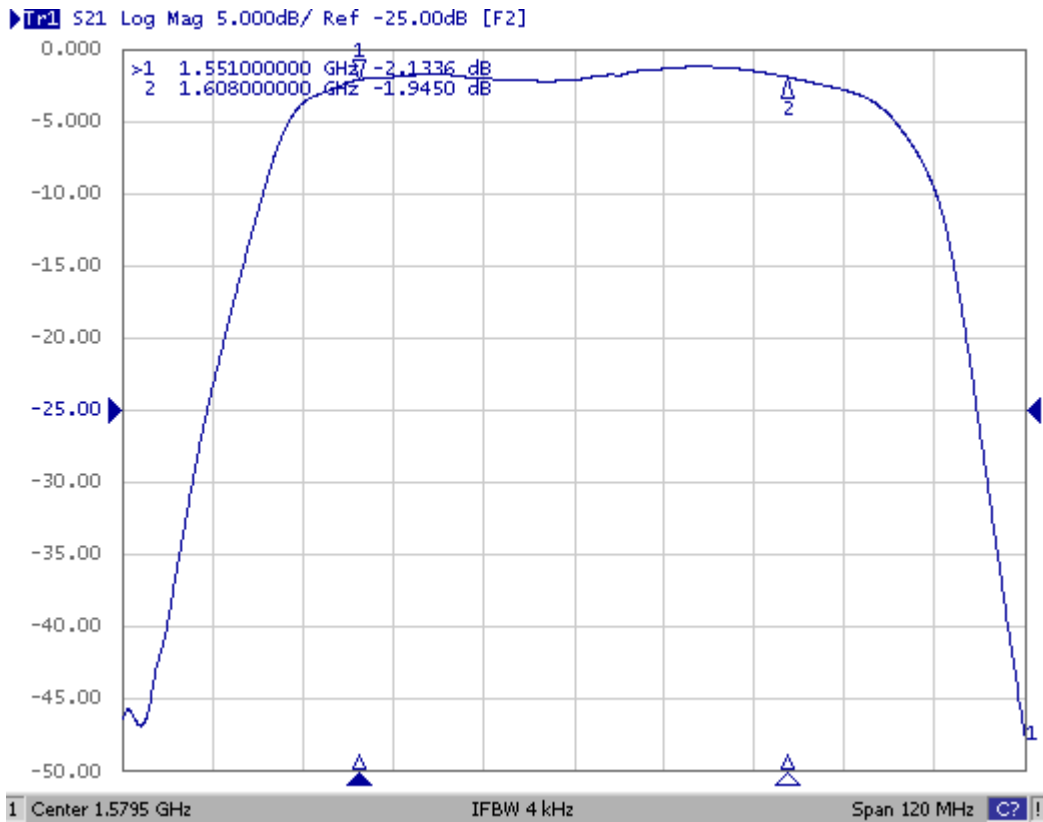
□ : Date Code (Follow the table from planner each year)

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

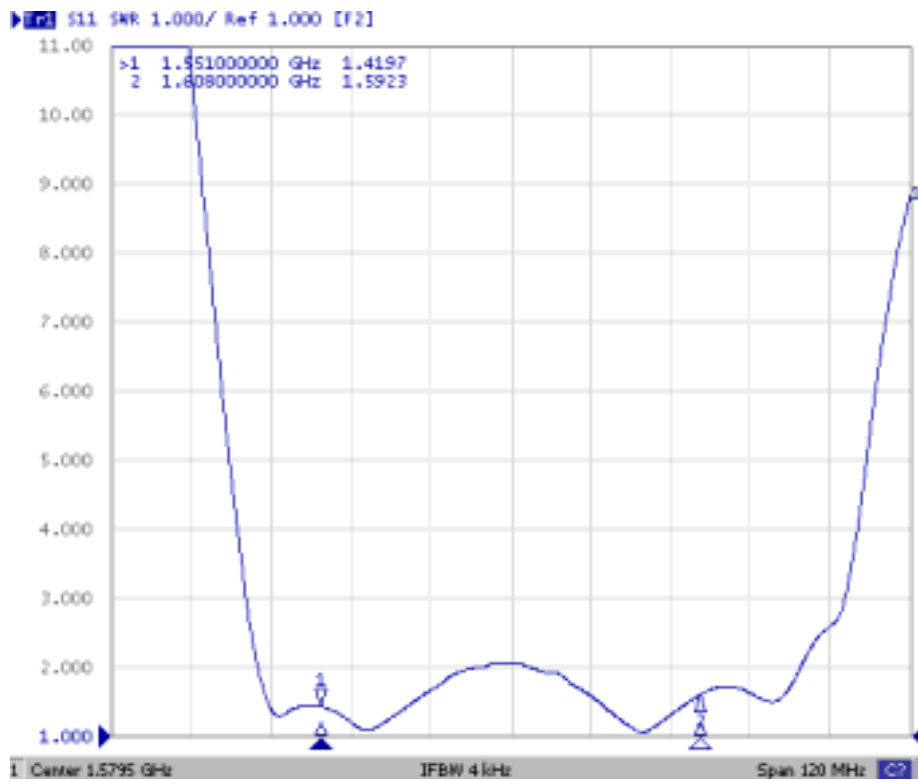
**E. PCB Footprint:**



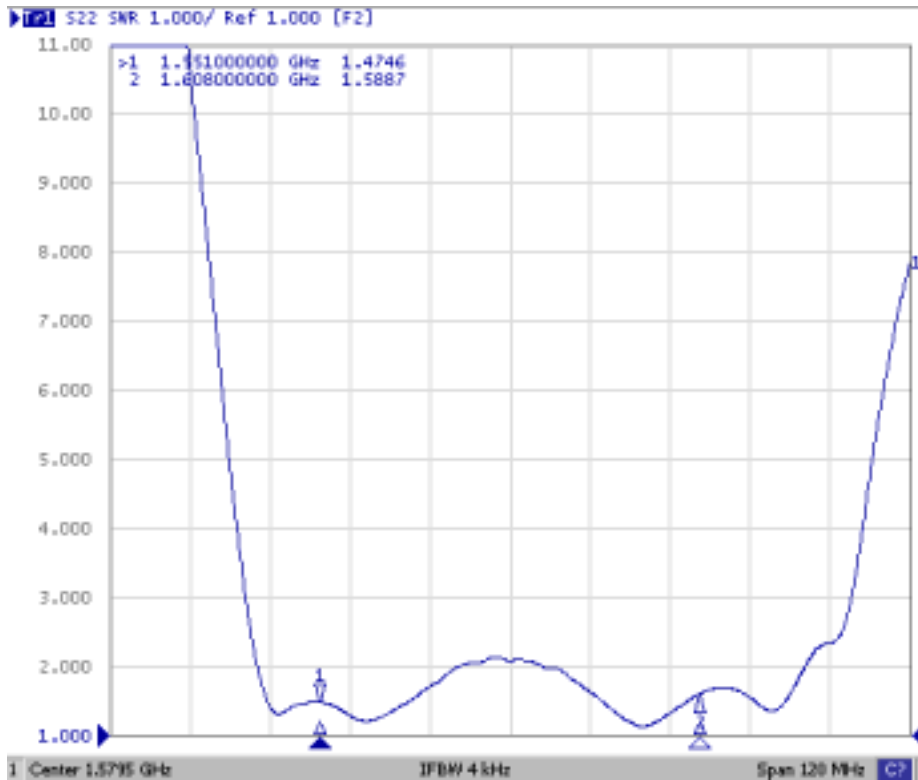
## F. Frequency Characteristics :



### VSWR\_S11 :



### VSWR\_S22 :





### H. RECOMMENDED REFLOW PROFILE:

