

## Product Specifications Approval Sheet

Product Name: SAW Filter 1794 MHz SMD 1.1×0.9 mm (BW = 18 MHz)

TST Parts No.: TA2452A

Customer Part No.: \_\_\_\_\_

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: \_\_\_\_\_ Sam Lin *Sam Lin*

Approved by: \_\_\_\_\_ Andy Yu *Andy Yu*

Date: \_\_\_\_\_ 2018/11/14

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 1794 MHz SMD 1.1×0.9 mm (BW 18 MHz)

MODEL NO.: TA2452A

REV. No.: 1.0

### A. MAXIMUM RATING:

1. Maximum Input Power: 15 dBm
2. DC voltage: 3 V
3. Operating Temperature: -30°C to +65°C
4. Storage Temperature: -40°C to +85°C
5. ESD: 100V (MM), 200V (HBM)
6. Moisture Sensitive Level: Level 3 (MSL3)

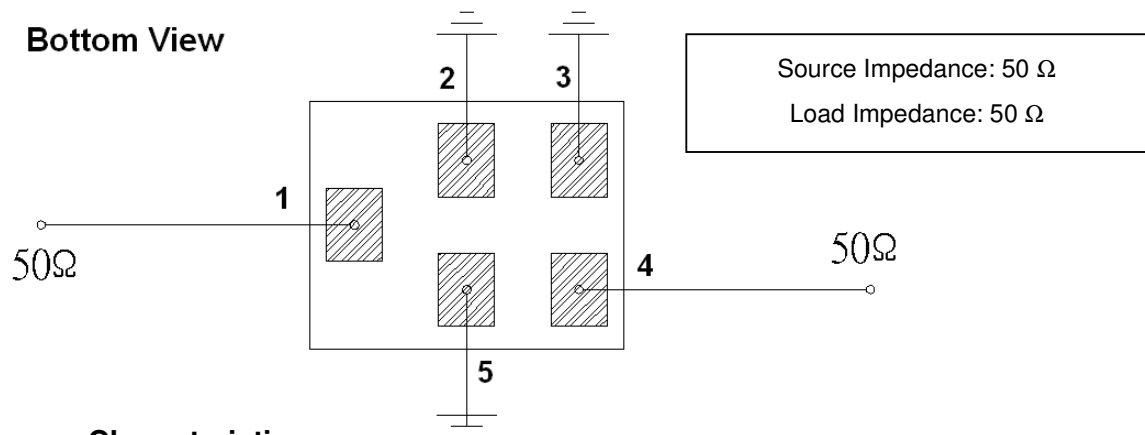
RoHS Compliant  
Lead free  
Lead-free soldering

Electrostatic Sensitive Device (ESD)

### B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max
Center frequency	MHz	-	1794	-
Insertion Loss (1785 ~ 1803 MHz)	dB	-	2.0	2.5
Amplitude ripple (1785 ~ 1803 MHz)	dB	-	0.4	1.5
VSWR (1785 ~ 1803 MHz)	ns	-	1.5	2.0
<b>Attenuation</b> (Reference level from 0 dB)				
920 ~ 961 MHz	dB	40	44	-
2000 ~ 2200 MHz	dB	20	35	-
2400 ~ 2500 MHz	dB	35	42	-
3760 ~ 3860 MHz	dB	30	39	-
Temperature coefficient of frequency	ppm/°C	-	-36	-

### C. MEASUREMENT CIRCUIT:

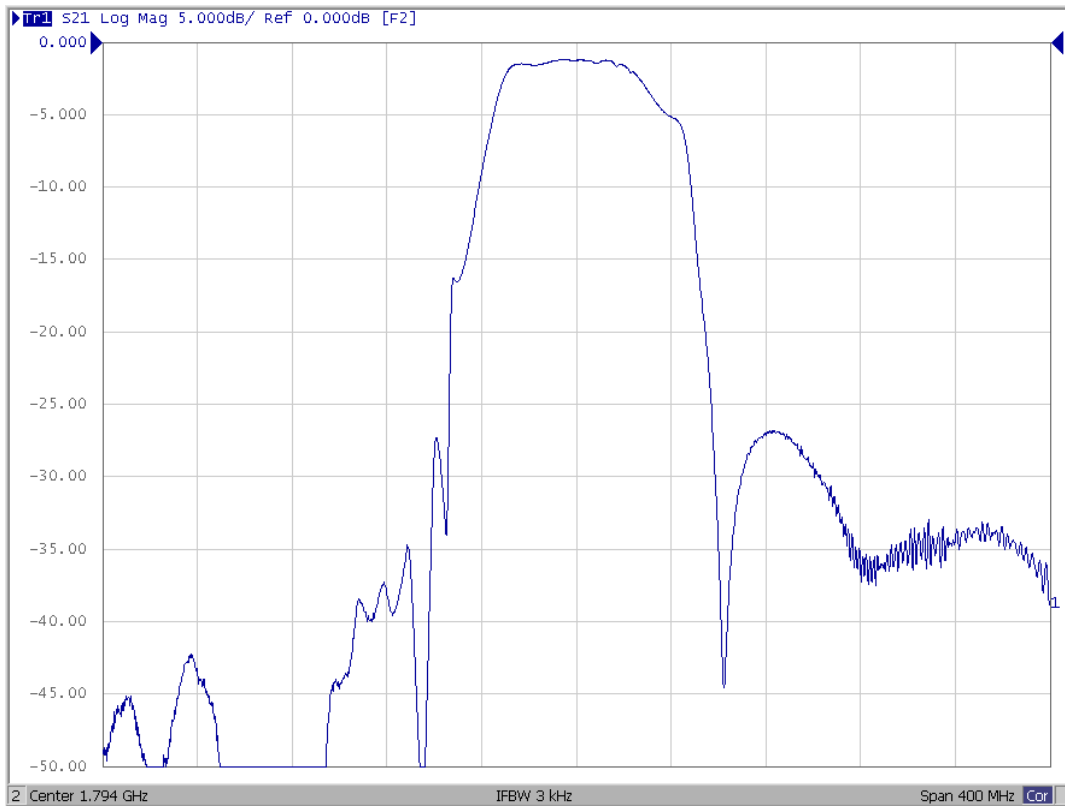


### D. Frequency Characteristics :

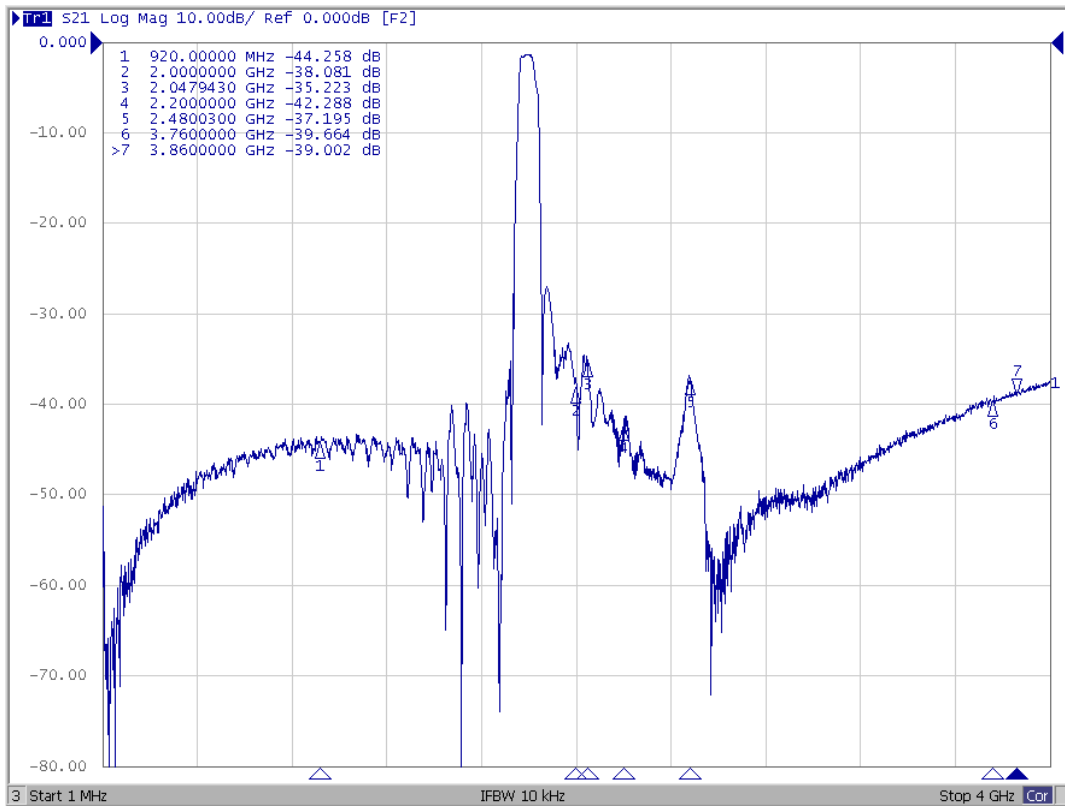
TAI-SAW TECHNOLOGY CO., LTD.

TST DCC  
Release document

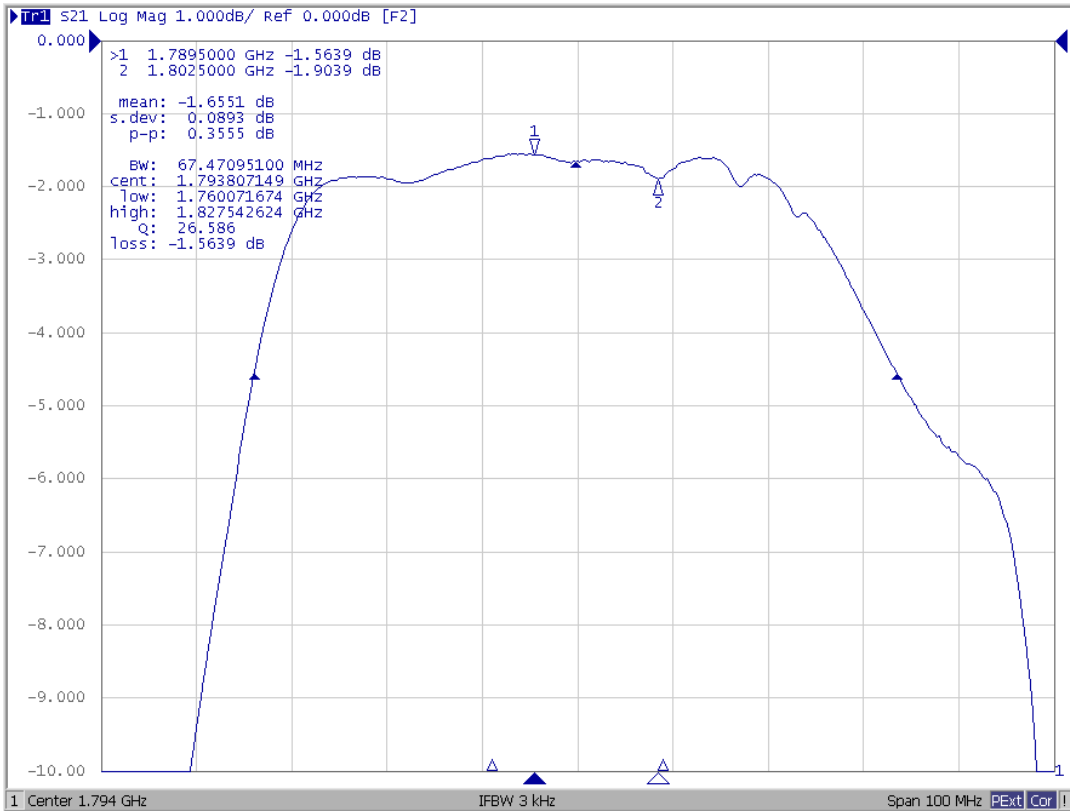
### S21dB Span 400 MHz



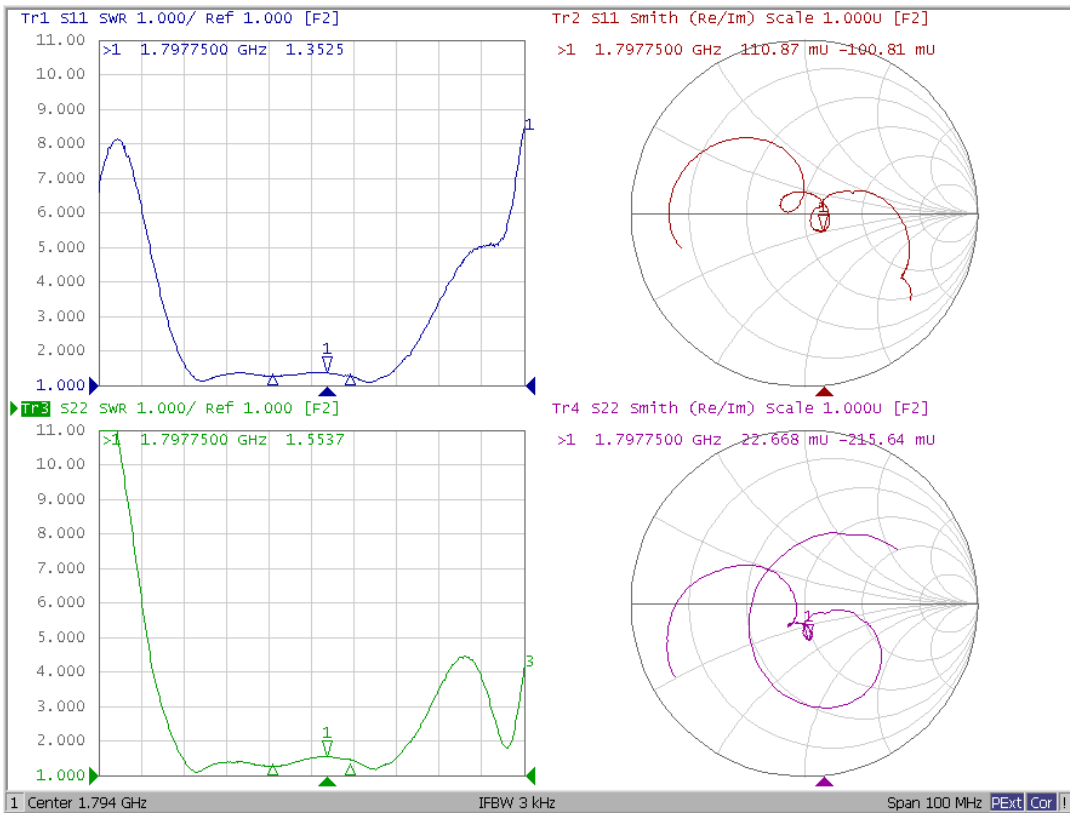
### S21dB Span 2500 MHz



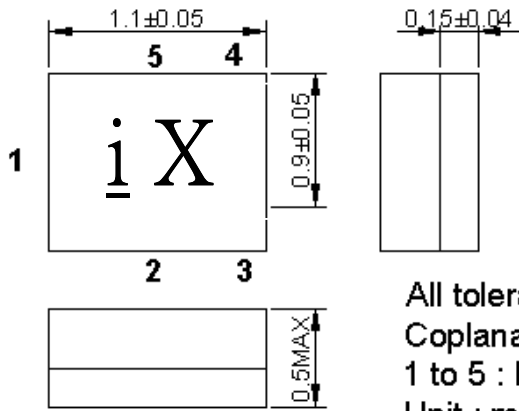
### Ripple Span 100 MHz



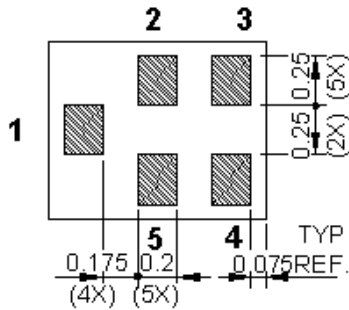
Reflective Function



E. OUTLINE DRAWING:



All tolerances are +/-0.05 mm unless otherwise specified  
 Coplanarity : 0.1 mm max.  
 1 to 5 : Pin No.  
 Unit : mm



Marking Descriptions	
<u>I</u>	Series Number
X	Date Code(Year+Month)

Pin Description	
2, 3, 5	Ground
1	Input
4	Output

Date Code ( year+month)

Year	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
2013	A	B	C	D	E	F	G	H	J	K	L	M
2014	N	P	Q	R	S	T	U	V	W	X	Y	Z
2015	a	b	c	d	e	f	g	h	j	k	l	m
2016	n	p	q	r	s	t	u	v	w	x	y	z
2017	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>M</u>
2018	<u>N</u>	<u>P</u>	<u>Q</u>	<u>R</u>	<u>S</u>	<u>T</u>	<u>U</u>	<u>V</u>	<u>W</u>	<u>X</u>	<u>Y</u>	<u>Z</u>
2019	<u>a</u>	<u>b</u>	<u>c</u>	<u>d</u>	<u>e</u>	<u>f</u>	<u>g</u>	<u>h</u>	<u>j</u>	<u>k</u>	<u>l</u>	<u>m</u>
2020	<u>n</u>	<u>p</u>	<u>q</u>	<u>r</u>	<u>s</u>	<u>t</u>	<u>u</u>	<u>v</u>	<u>w</u>	<u>x</u>	<u>y</u>	<u>z</u>

F. PACKING:

1. REEL DIMENSION

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



4. Time: 2 times.

