



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

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Product Specifications Approval Sheet

Product Description: SAW Filter 925.2 MHz (BW 5.8MHz) SMD 1.4X1.1 mm

TST Part No.: TA1766A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Michael Yang 

Approved by: _____ Bob Chau 

Date: _____ 2014/10/24

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 925.2MHz

MODEL NO.:TA1766A

REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 13 dBm
2. DC Voltage : 0V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

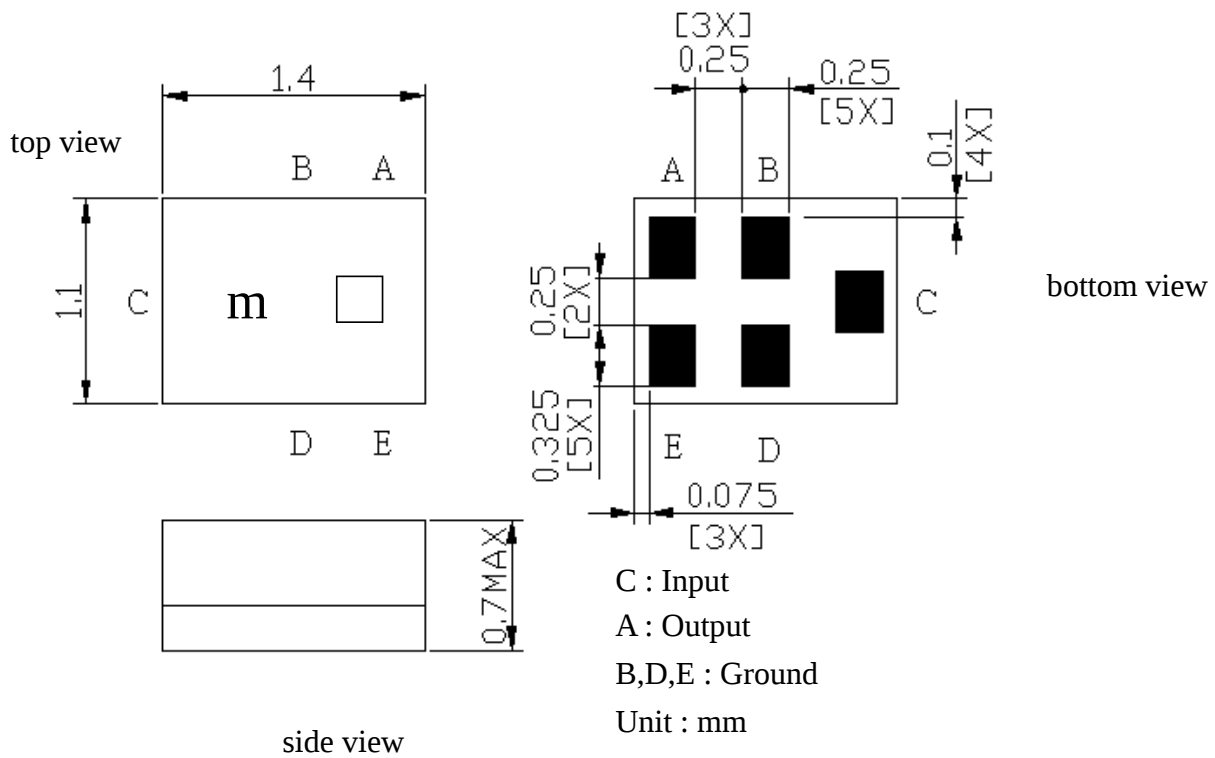
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance (single) : $Z_s = 50 \Omega$

Terminating load impedance(single) : $Z_L = 50 \Omega$

Item	Unit	Min	Type.	Max
Center Frequency Fc	MHz	-	925.2	-
Insertion Loss (922.3~928.1 MHz) IL	dB		2.5	3.5max
Amplitude ripple(922.3~928.1 MHz)	dB		0.6	1.5max
VSWR				
Input(922.3~928.1 MHz)			1.4	2.0
Ouput(922.3~928.1 MHz)			1.4	2.0
Attenuation				
10 ~ 815 MHz	dB	30	35	
815 ~ 875 MHz	dB	30	35	
875 ~ 905 MHz	dB	30	35	
905 ~ 912 MHz	dB	15	20	
945 ~ 950 MHz	dB	35	40	
950 ~ 1150 MHz	dB	35	40	
1150 ~ 1856 MHz	dB	30	35	
1856 ~ 2500 MHz	dB	26	30	
Package size	mm	SMD 1411		

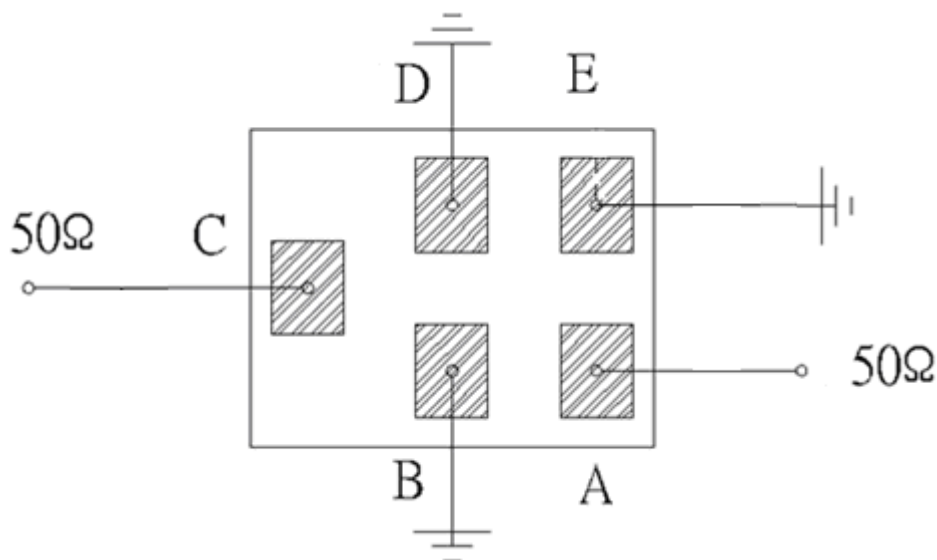
C.OUTLINE DRAWING:



□ : Year/Month Code (Follow the table)

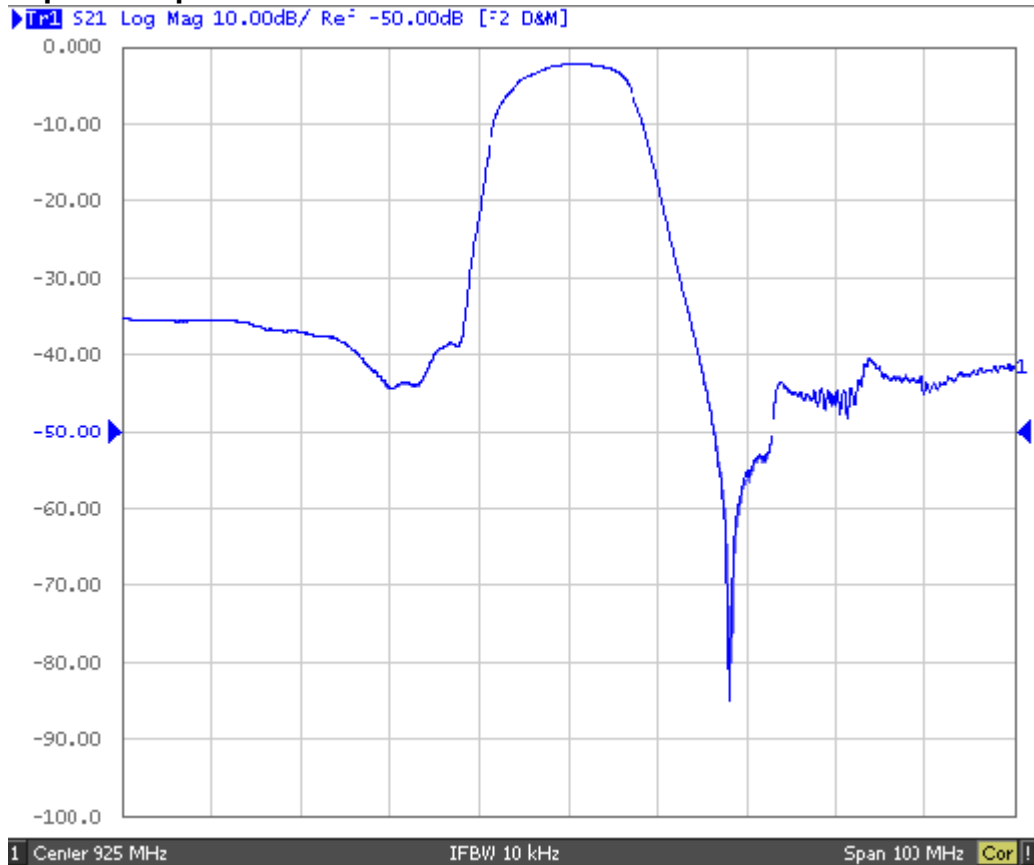
YEAR/Month	1	2	3	4	5	6	7	8	9	10	11	12
2013	A	B	C	D	E	F	G	H	J	K	L	M
2014	N	P	Q	R	S	T	U	V	W	X	Y	Z
2015	a	b	c	d	e	f	g	h	j	k	l	m
2016	n	p	q	r	s	t	u	v	w	x	y	z
2017	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>M</u>
2018	<u>N</u>	<u>P</u>	<u>Q</u>	<u>R</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>i</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>

D. MEASUREMENT CIRCUIT:

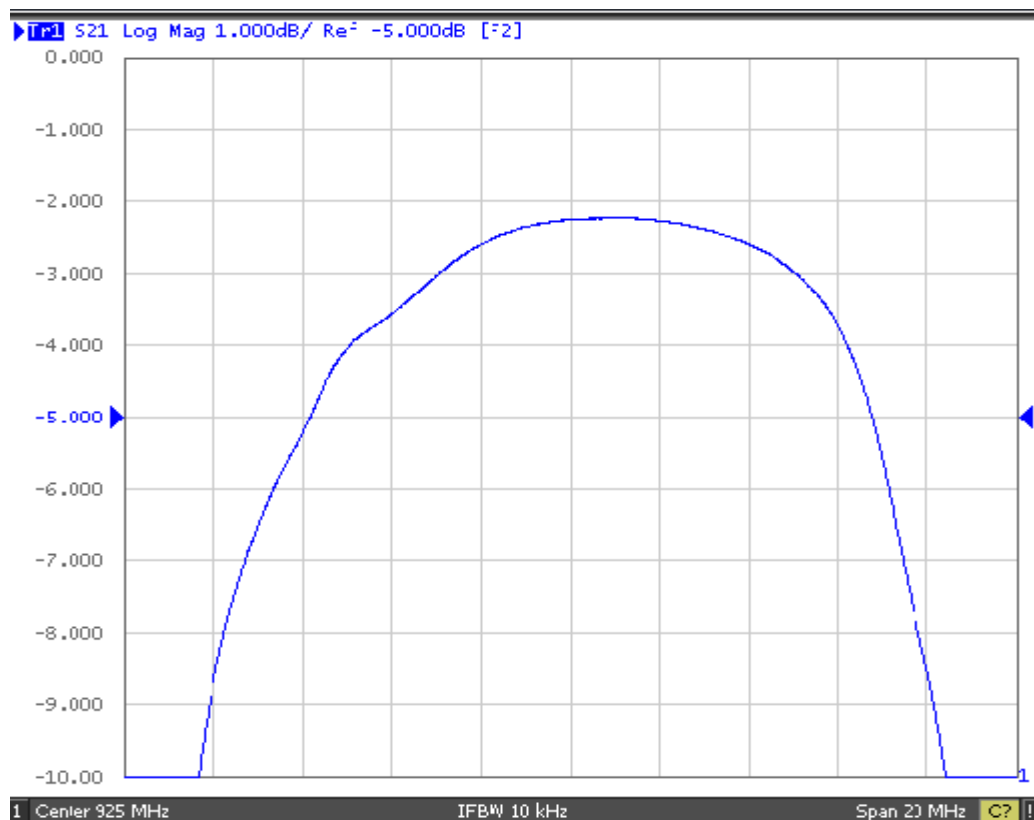


E. Frequency Characteristics :

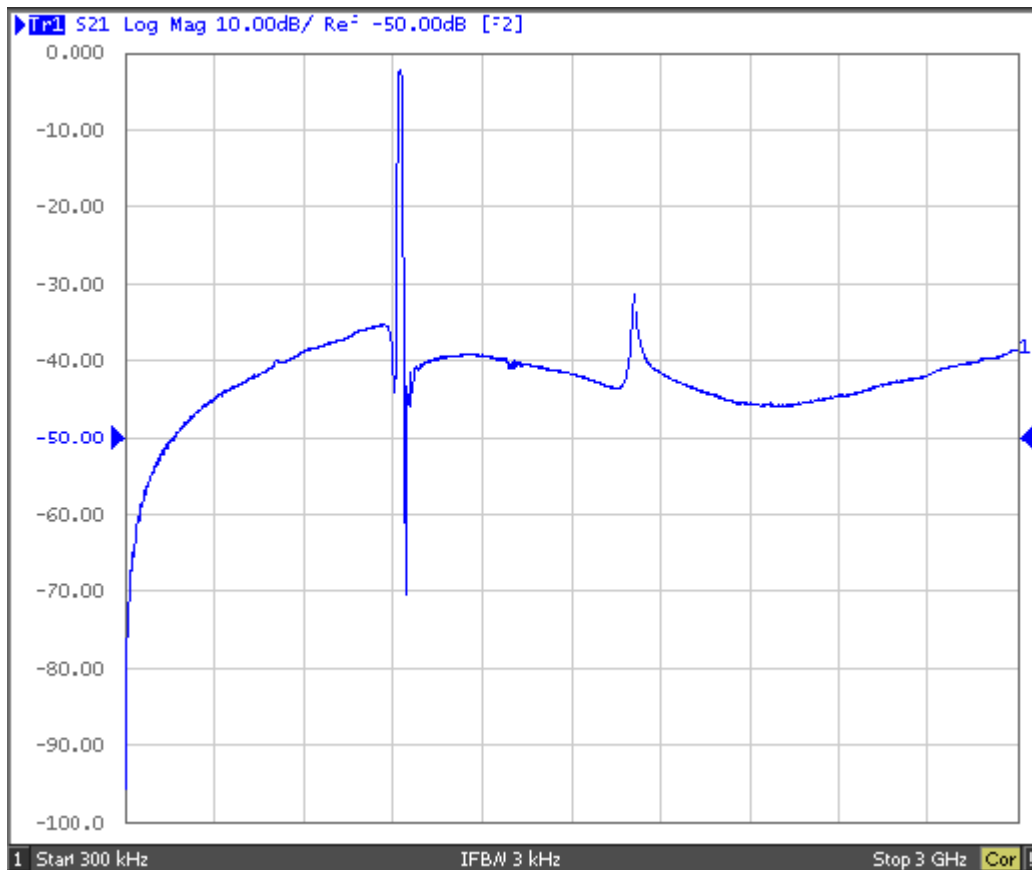
S21 response: span 100 MHz



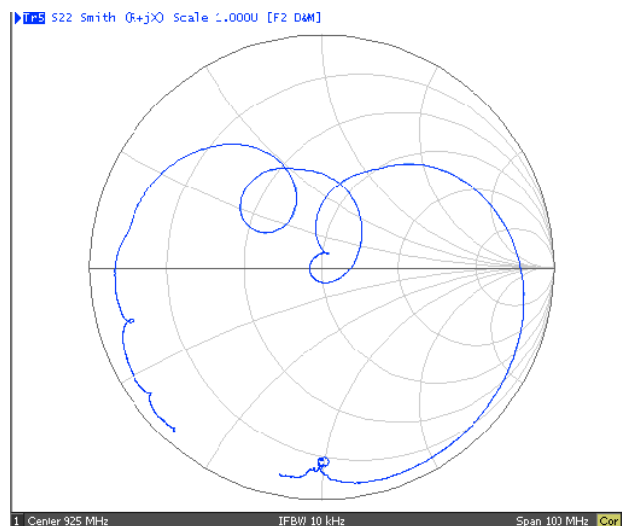
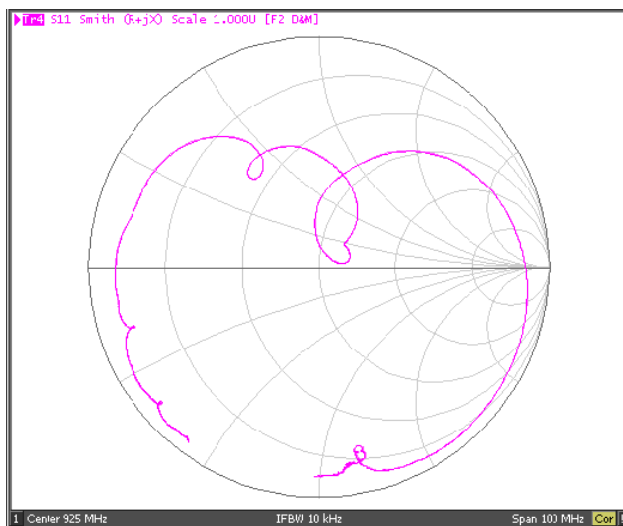
S21 response: span 20 MHz



S21 response: span 3 GHz



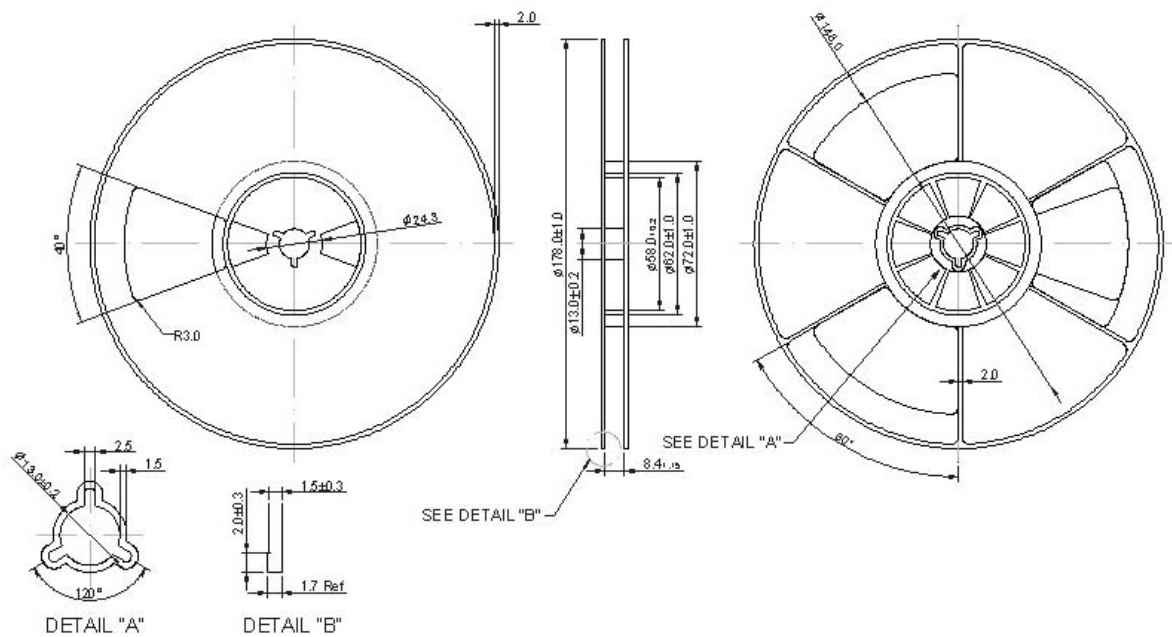
S11/S22 response :



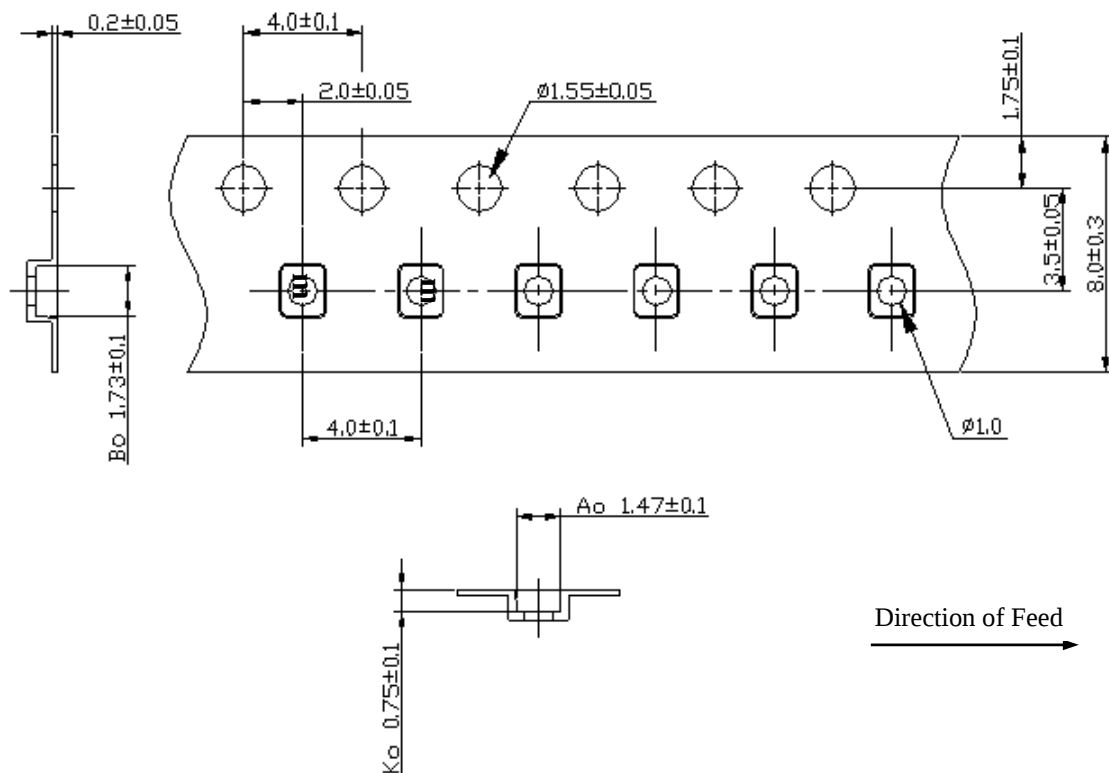
F. PACKING:

1. REEL DIMENSION

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



2.TAPE DIMENSION



G. RECOMMENDED REFLOW PROFILE :

TAI-SAW TECHNOLOGY CO., LTD.

TST DCC
Release document

