



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

Product Description: SAW Filter 1925 MHz SMD 3.0X3.0 mm (BW=10MHz)

TST Part No.: TA1491A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Kevin 

Approved by: _____ Francis Chen 

Date: _____ 5/10/2012

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 1925MHz

MODEL NO.:TA1491A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -20℃ to +70℃
4. Storage Temperature: -40℃ to +85℃

RoHS Compliant
Lead free
Lead-free soldering

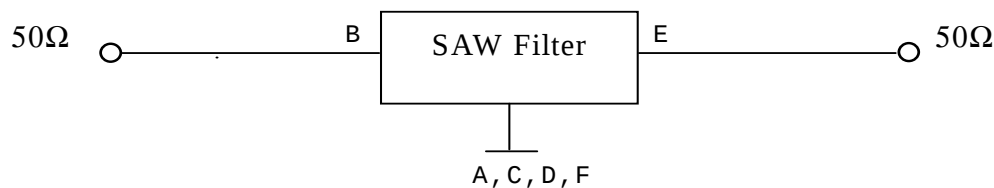
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

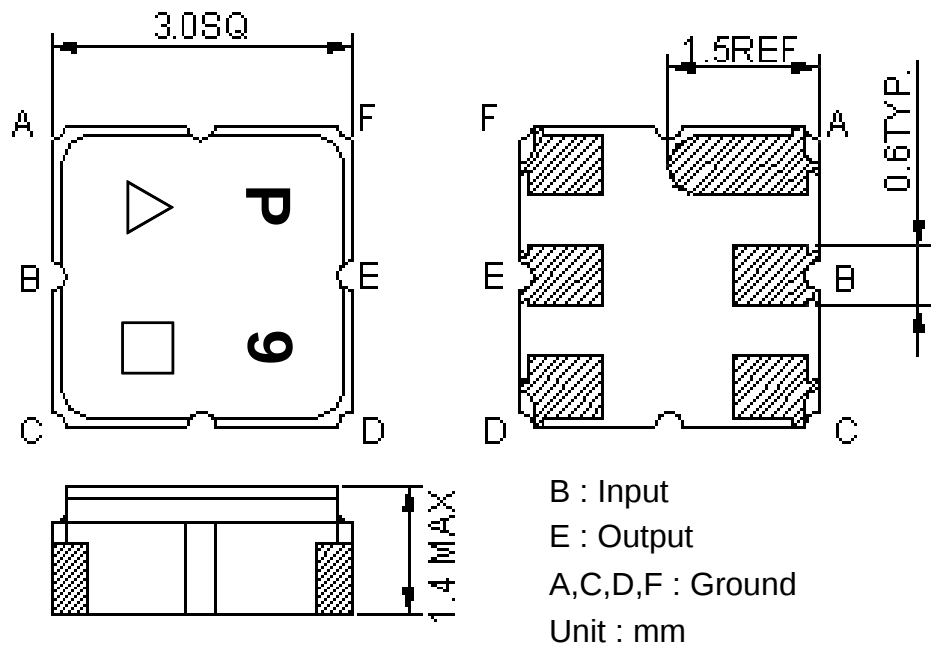
Item	Unit	Min.	Typ.	Max.
Center frequency, Fc	MHz	-	1925	-
Insertion loss, IL (1920 ~ 1930 MHz)	dB	-	1.3	3
Amplitude ripple (1920 ~ 1930 MHz)	dB	-	0.3	1.3
VSWR (1920 ~ 1930 MHz)		-	1.3	2.5
Attenuation (reference from 0dB)				
1700 ~ 1810 MHz	dB	30	38	-
1810 ~ 1855 MHz	dB	20	33	-
1985 ~ 2100 MHz	dB	30	46	-
Source impedance Z_S	Ω	-	50	-
Load impedance Z_L	Ω	-	50	-

C. MEASUREMENT CIRCUIT:

HP Network analyzer



D.OUTLINE DRAWING:



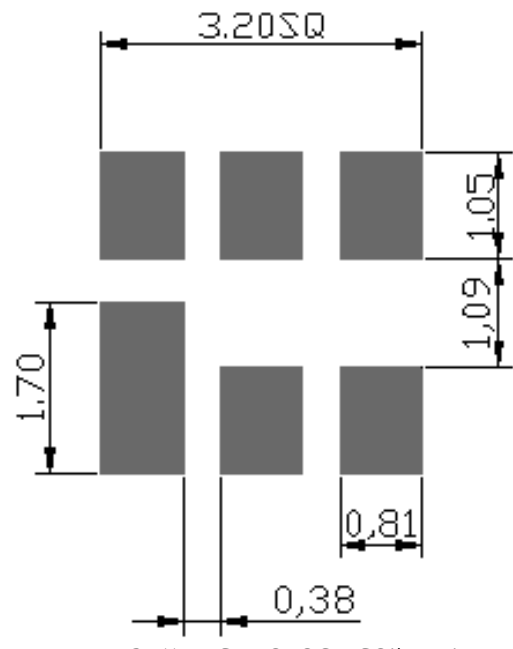
△ : Year Code:

Year	2012	2013	2014	...	2018	2019	2020
Year Code	2	3	4	...	8	9	0

□ : Data code : See the table

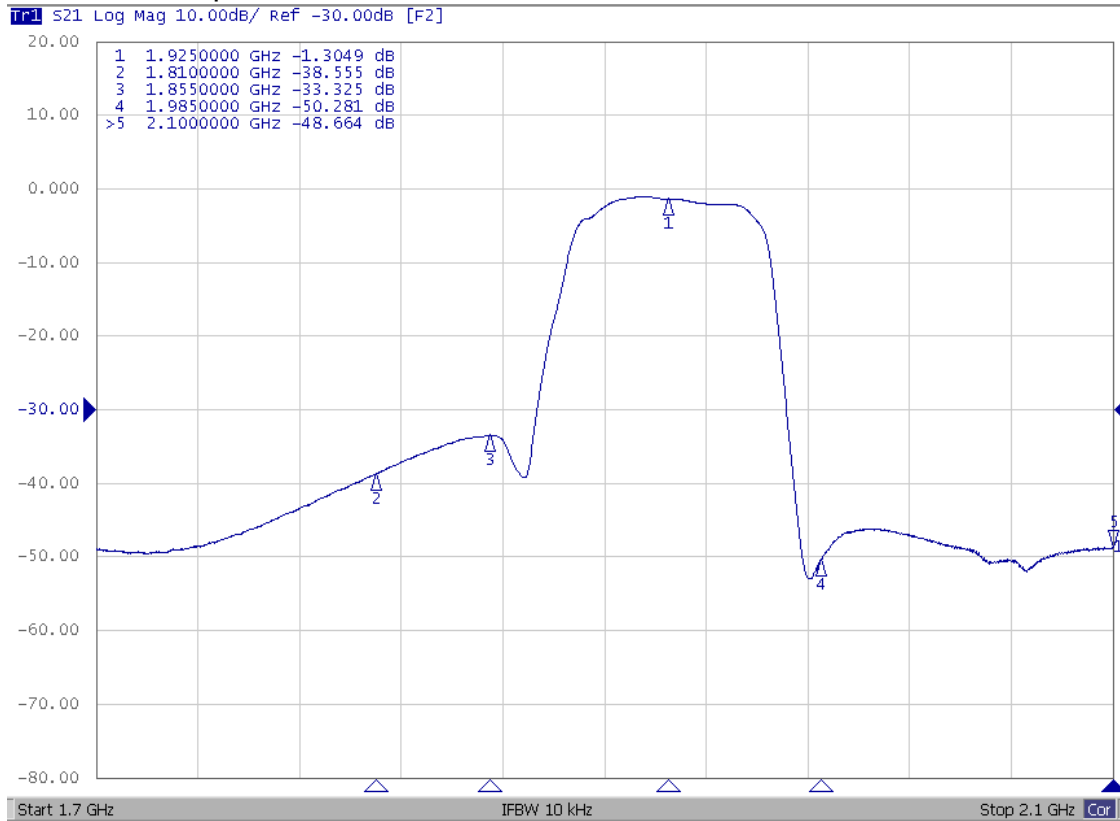
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

E. PCB Footprint:

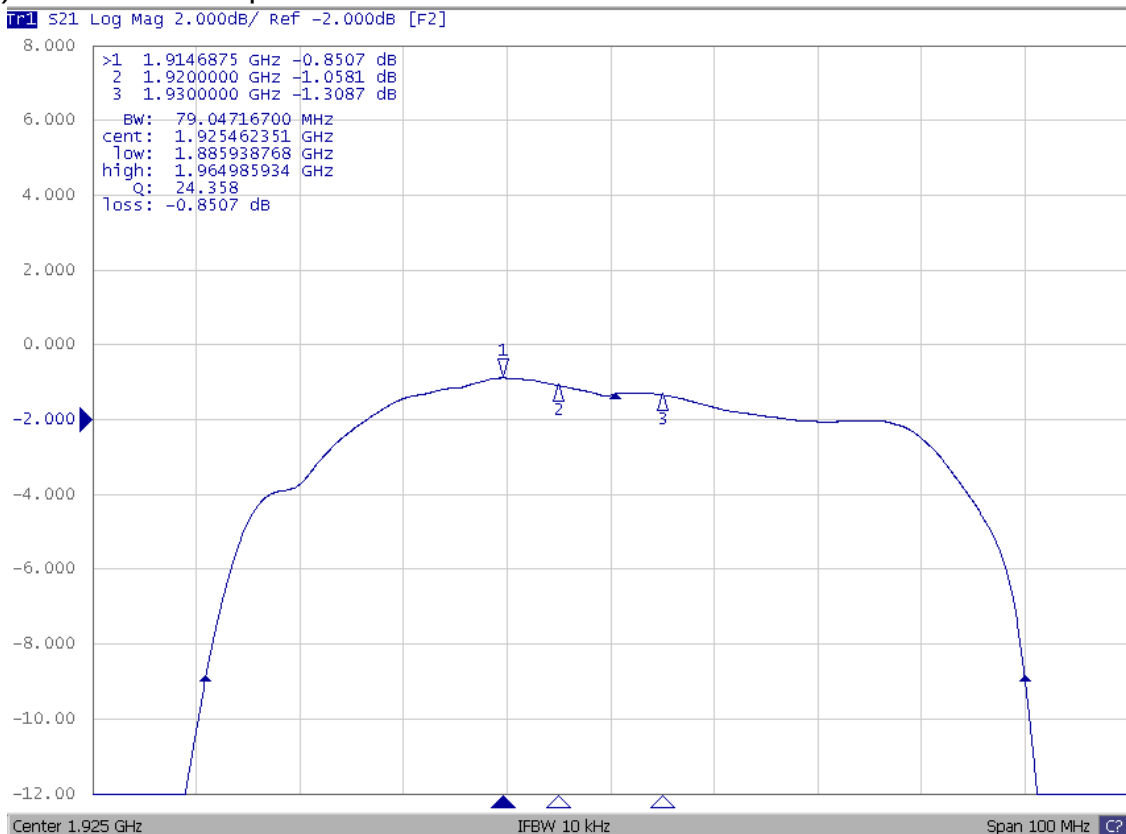


F. Frequency Characteristics :

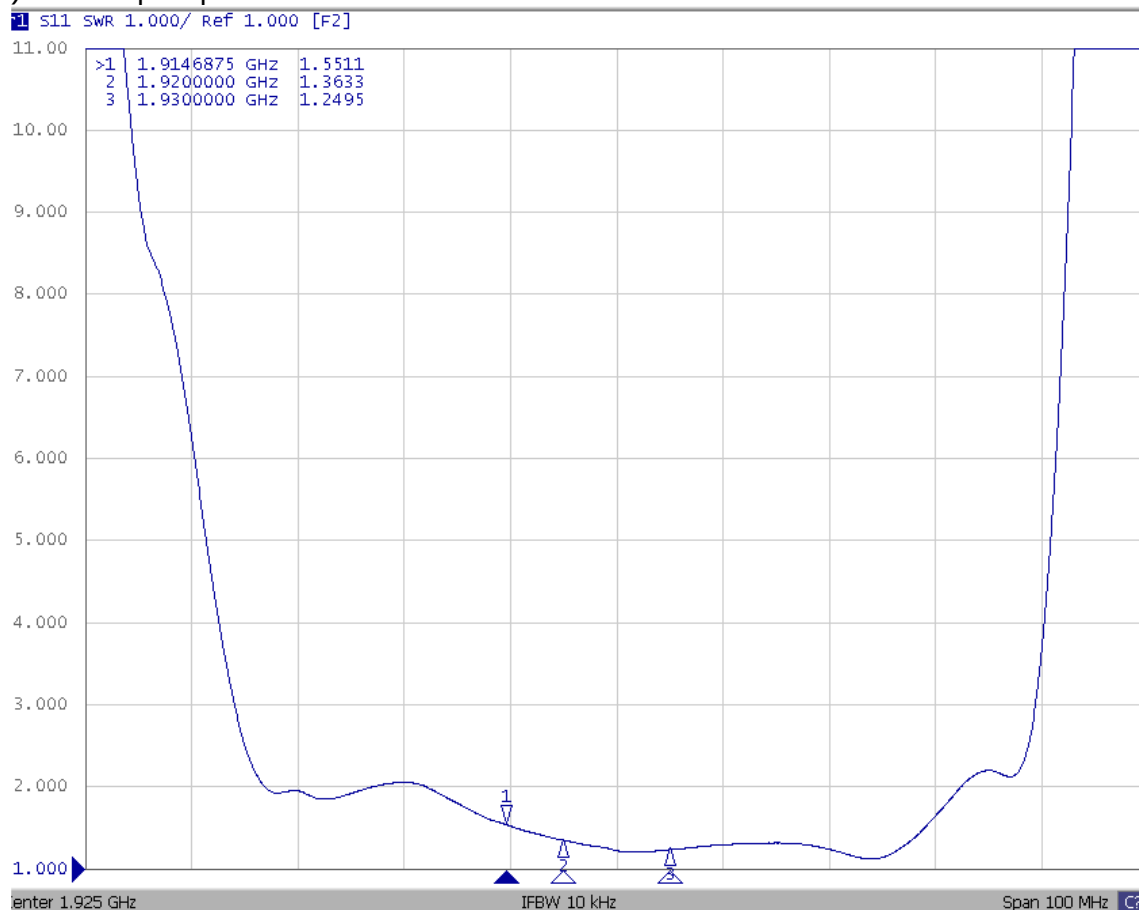
(1) Wideband response:



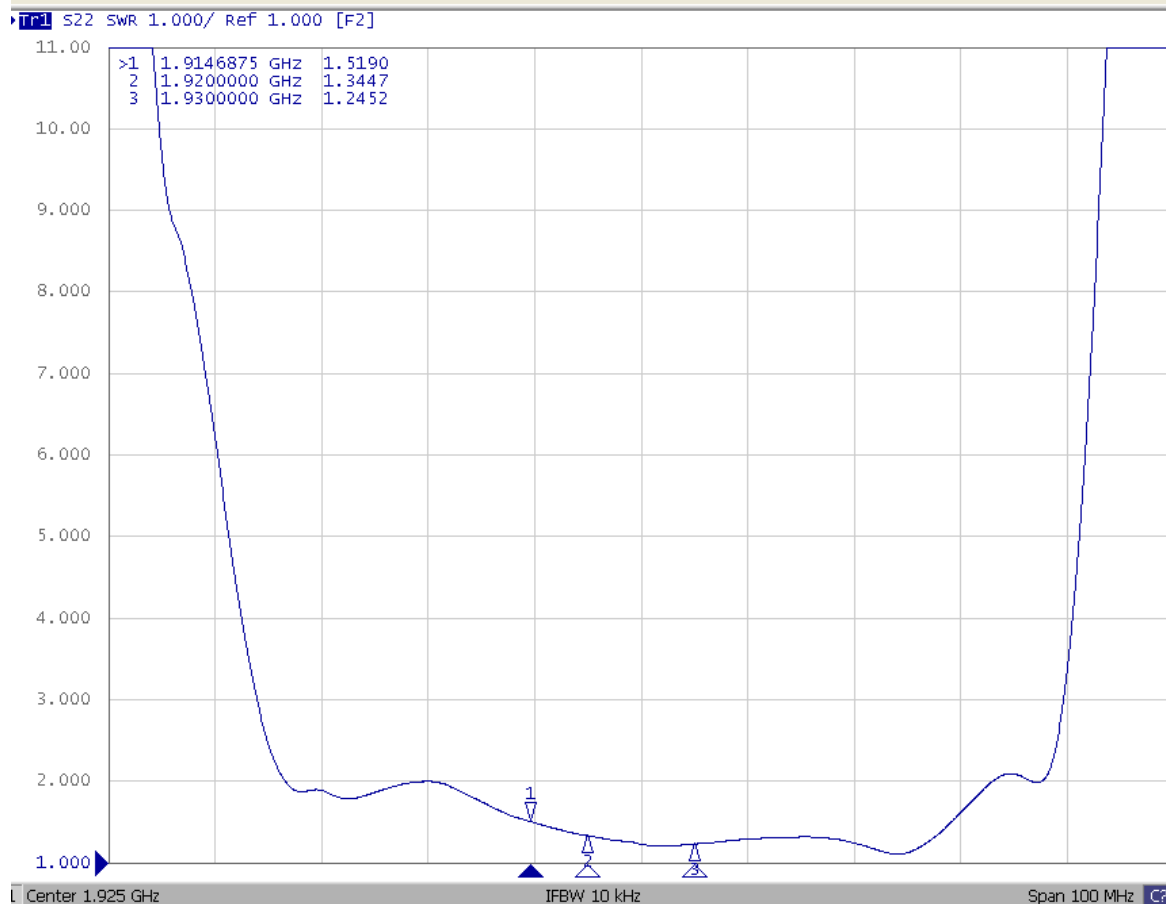
(2) Narrowband response:



(3) VSWR |S11|:



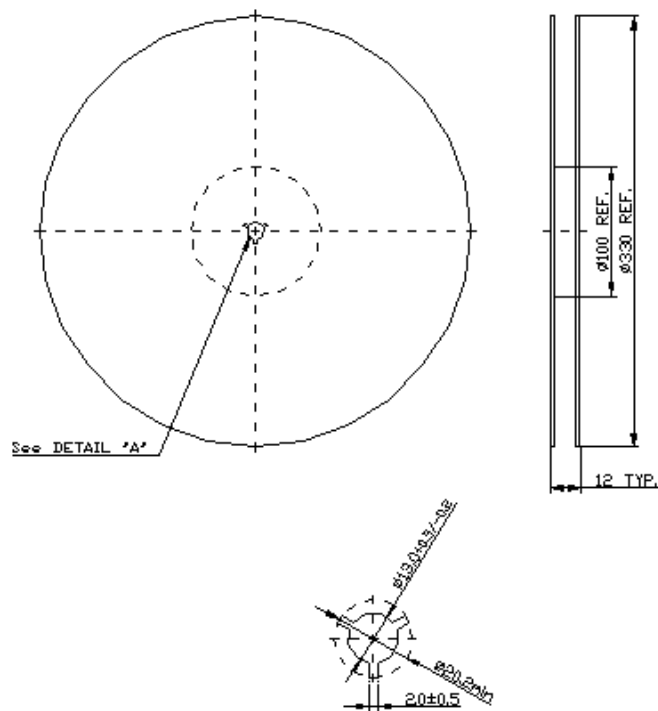
(4) VSWR |S22|:



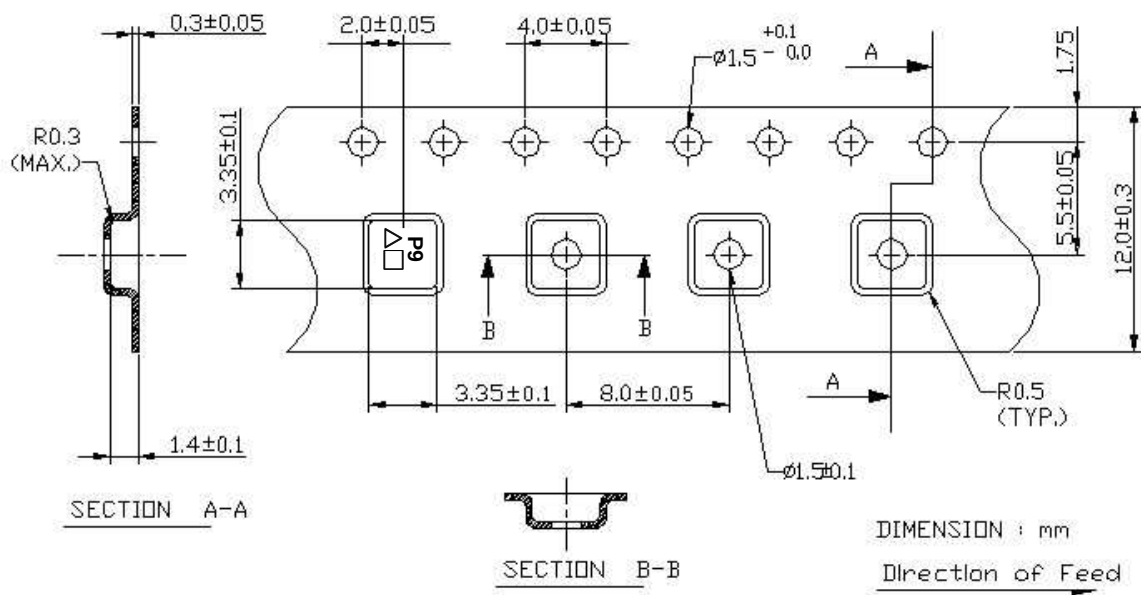
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7"=1000 ; 13"=3000)



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

