



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Product Specifications Approval Sheet

Product Name: SAW Filter 604.5 MHz SMD 5.0×5.0 mm (BW=5 MHz)

TST Parts No.:TA1906A

Customer Parts No.:_____

Customer signature required

Company:_____

Division:_____

Approved by : _____

Date:_____

Checked by:_____ David Chang 

Approved by:_____ Bob Chau 

Date:_____ 2016/01/12

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 604.5 MHz

MODEL NO.:TA1906A

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

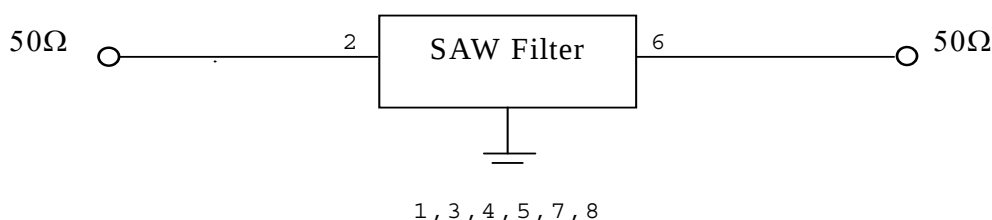
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

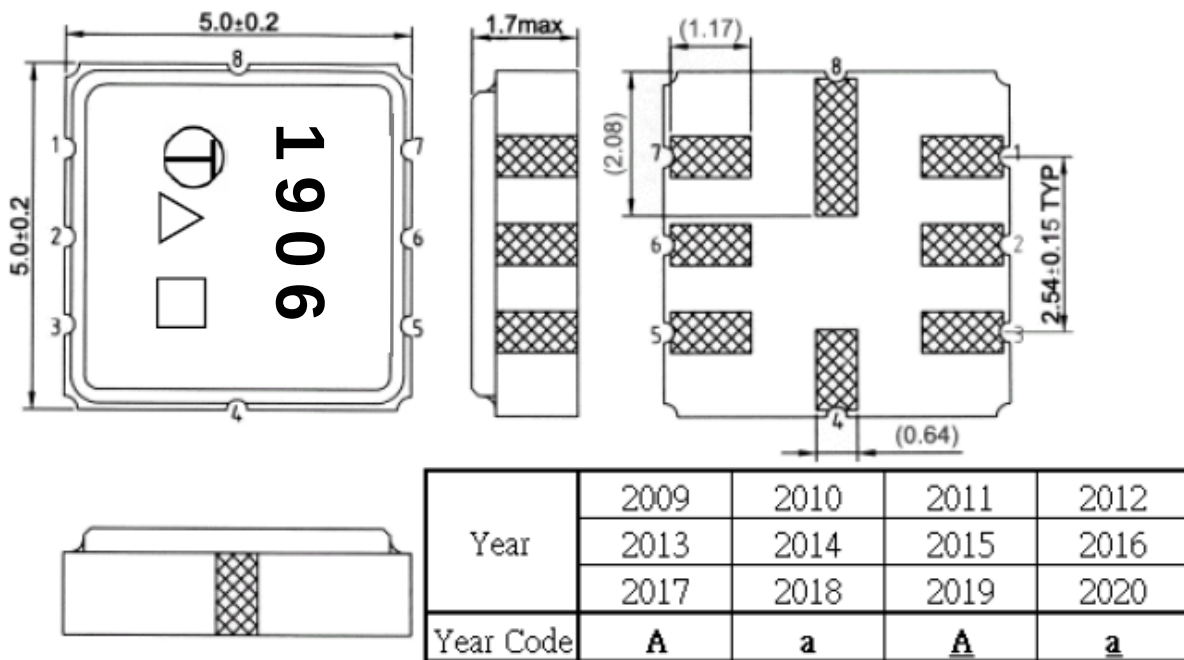
Item	Unit	Min.	Typ.	Max.
Center frequency F_c	MHz	-	604.5	-
Insertion Loss at F _c F_cIL	dB	-	2.1	3
Amplitude Ripple (602~607 MHz)	dB	-	0.7	1.5
2 dB Bandwidth BW_{2dB}	MHz	5	8.5	-
Group Delay Ripple (602~607 MHz)	ns	-	60	120
VSWR (602~607 MHz)	-	-	1.8	2
Attenuation (Reference level from 0 dB)				
DC ~ 530 MHz	dB	45	58	-
530 ~ 593 MHz	dB	25	46	-
593 ~ 595 MHz	dB	18	50	-
615 ~ 900 MHz	dB	30	39	-
900 ~ 1300 MHz	dB	32	49	-
1300 ~ 2000 MHz	dB	3	26	-
Temperature coefficient of frequency	ppm/k	-	-30	-

C. MEASUREMENT CIRCUIT:

HP Network analyzer



D. OUTLINE DRAWING:



#2 : Input

#6 : Output

#4、8 : Case Ground

#1、3、5、7 : Ground

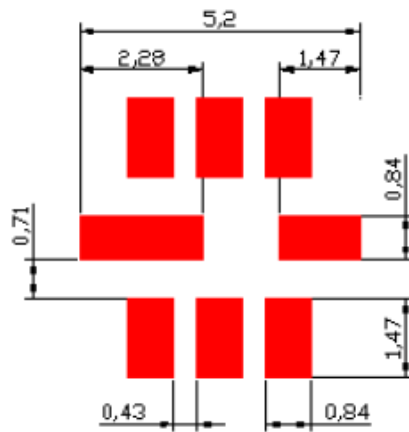
Δ : Year Code

□ : Data Code

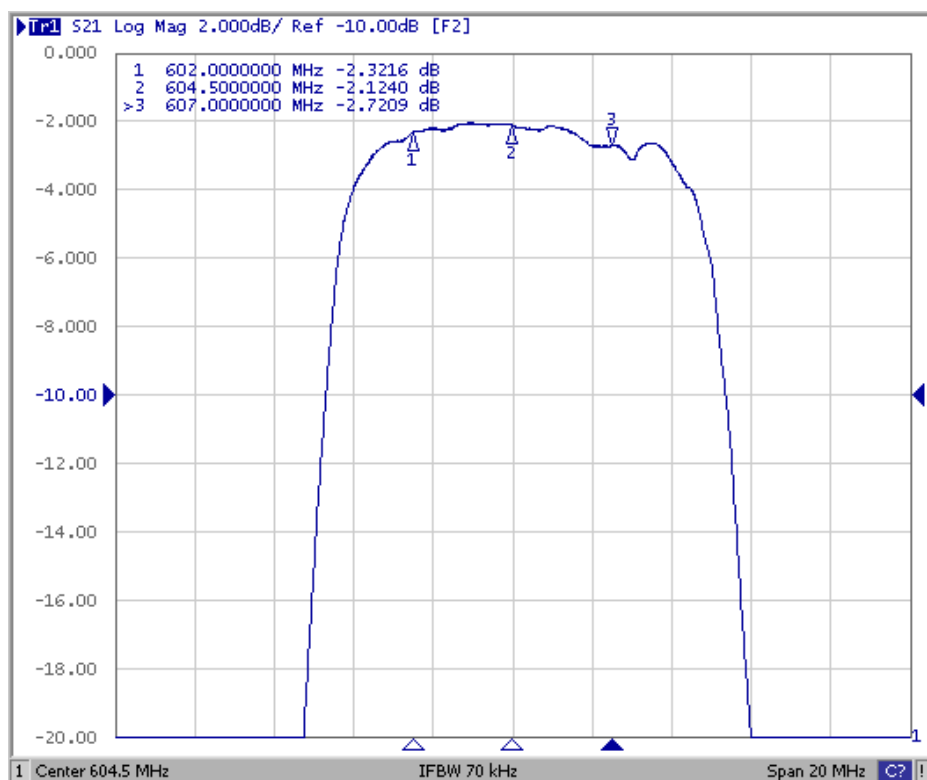
Date Code Table:

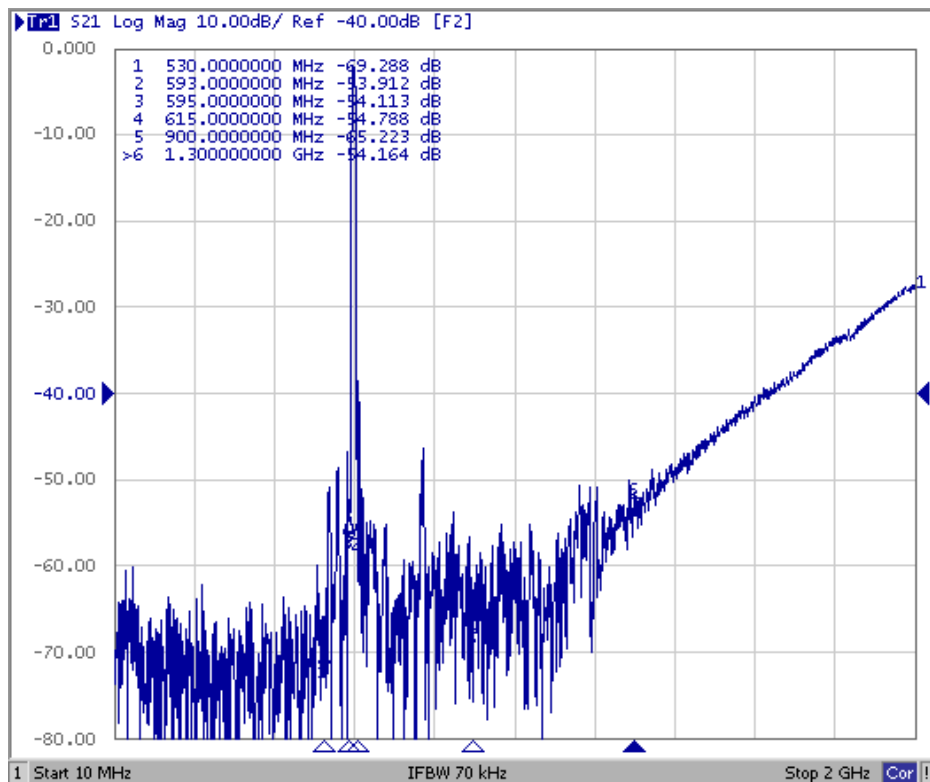
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

E. PCB Footprint:



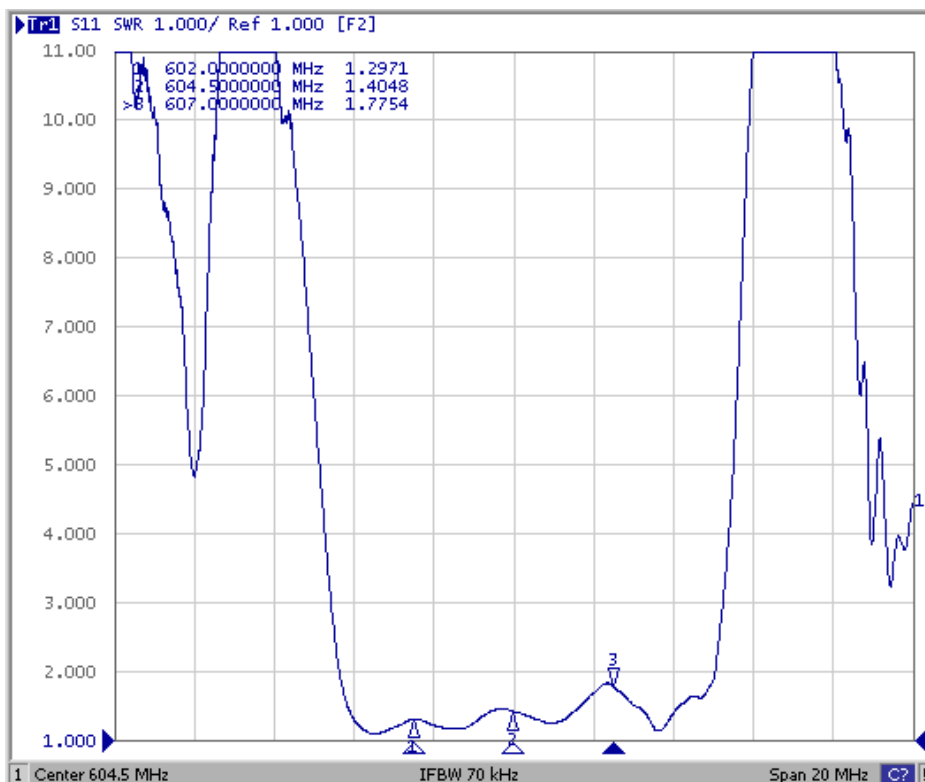
F. Frequency Characteristics:



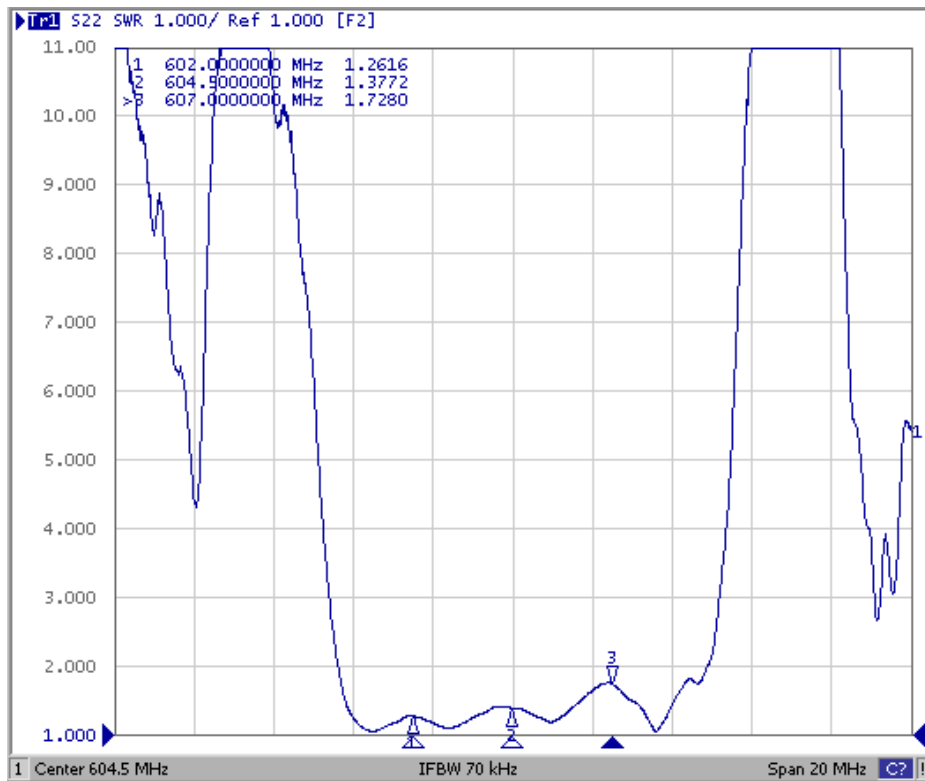


Reflection Functions:

S11



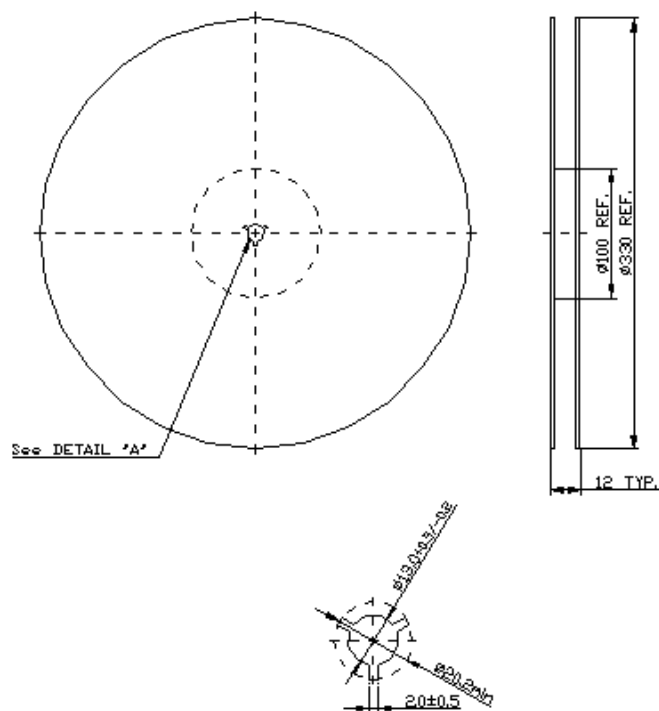
S22



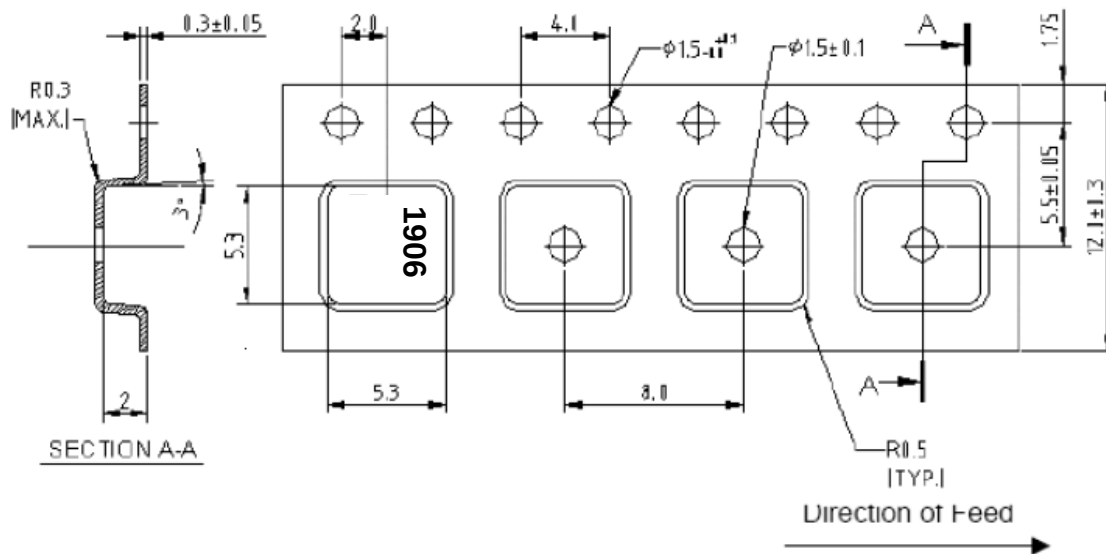
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



H. Recommended Reflow Profile:

1. Preheating shall be fixed at $150 \sim 180^\circ\text{C}$ for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at $260^\circ\text{C} + 0/-5^\circ\text{C}$ peak (20~40sec).
4. Time: 2 times.

