



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

E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

Product Specifications Approval Sheet

Product Description: IF SAW Filter 465 MHz

TST Parts No.:TB0206A

Customer Parts No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Kazuma Lee *Kazuma Lee*

Approval by:_____Andy Yu *Andy Yu*

Date:_____2019/08/27

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.



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

E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

IF SAW Filter 465 MHz SMD 5X5mm

MODEL NO.: TB0206A

REV. NO.3.0

A. MAXIMUM RATING:

1. Operating Temperature: -0 °C ~ 70 °C
2. Storage Temperature: -40 °C ~ +85°C
3. Moisture Sensitivity Level: Level 1(MSL1)

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device

B. CHARACTERISTICS:

1. Ambient Temperature: 25 °C

Characteristics	Value			Note
	Min.	Typ.	Max.	
Center frequency F_C MHz	-	465	-	-
Minimum Insertion loss I.L. dB	-	11.5	14	-
Lower 1 dB Bandedge MHz	-	453.8	456.7	-
Upper 1 dB Bandedge MHz	473.3	475.3	-	-
Passband Ripple (456.7~473.3MHz) dB	-	0.5	1	-
Group Delay Ripple (456.7~473.3MHz) dB	-	38	70	-
Input VSWR (456.7~473.3MHz)	-	1.2	2	-
Output VSWR (456.7~473.3MHz)	-	1.4	2	-
Attenuation :(Reference level from minimum insertion loss)				dB
1) 10 MHz....405 MHz dB	45	54	-	-
2) 405 MHz ~ 440 MHz dB	40	49	-	-
3) 490 MHz ~ 510 MHz dB	40	47	-	-
4) 510 MHz ~ 580 MHz dB	40	55	-	-

C. Frequency Characteristics :

1. S21 Response

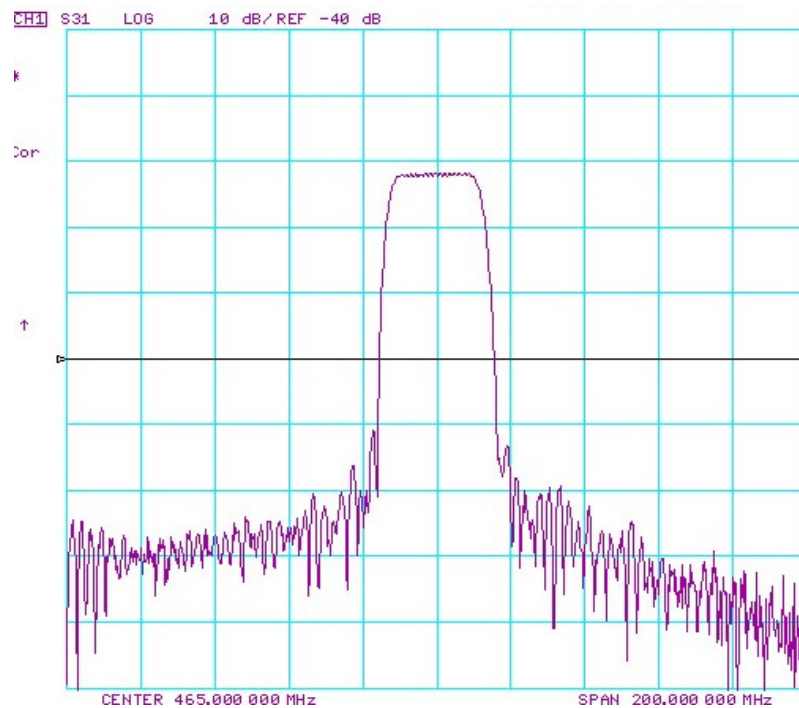


Fig1. Horizontal: 20MHz/Div Vertical: 10dB/Div

2. S21 Response (Group delay ripple of Passband)

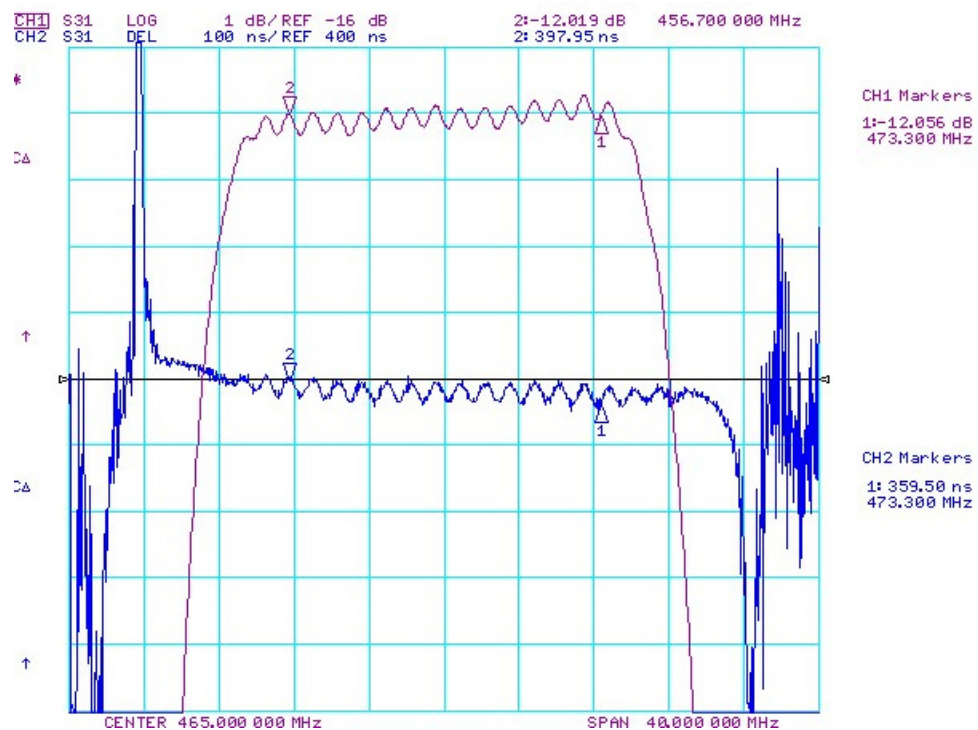


Fig2. Horizontal: 4MHz/Div Vertical: 1dB/Div
Vertical: 100nS/Div

3. S21 Response (Wideband)

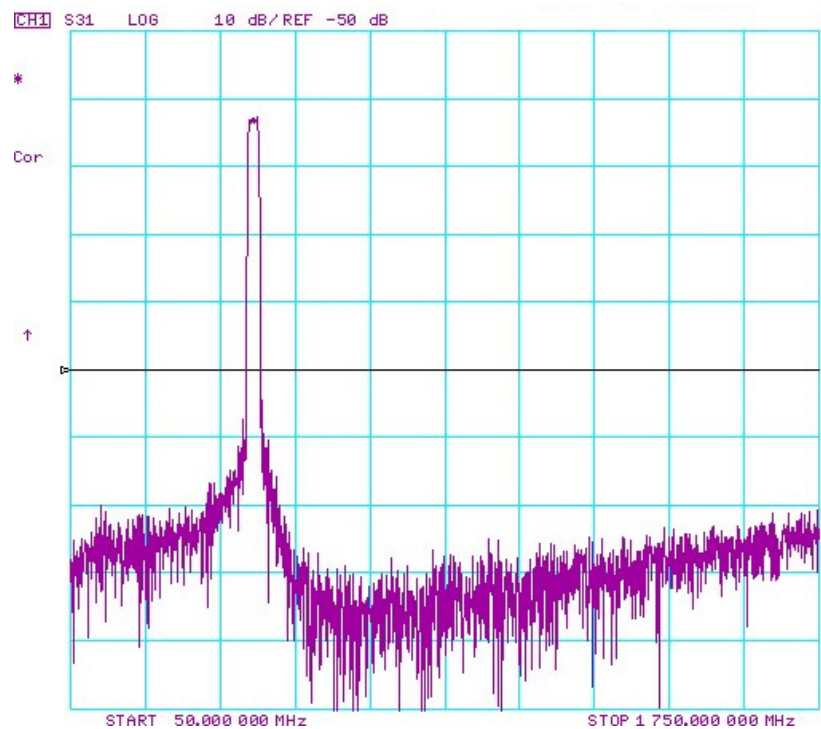
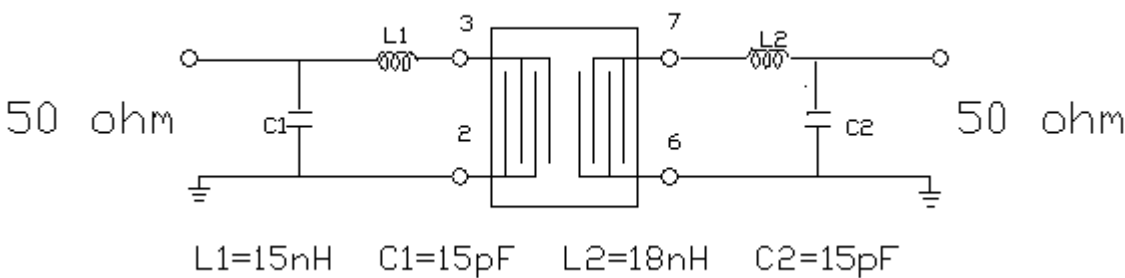
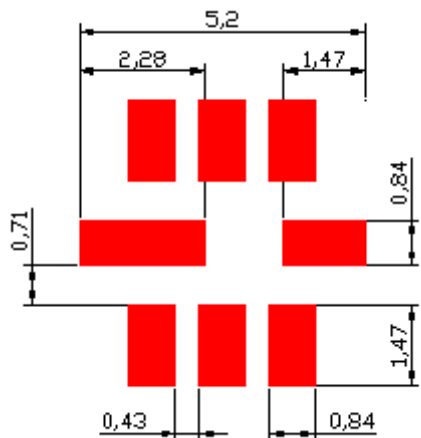


Fig3. Horizontal: 50MHz~1.75GHz Vertical: 10dB/Div

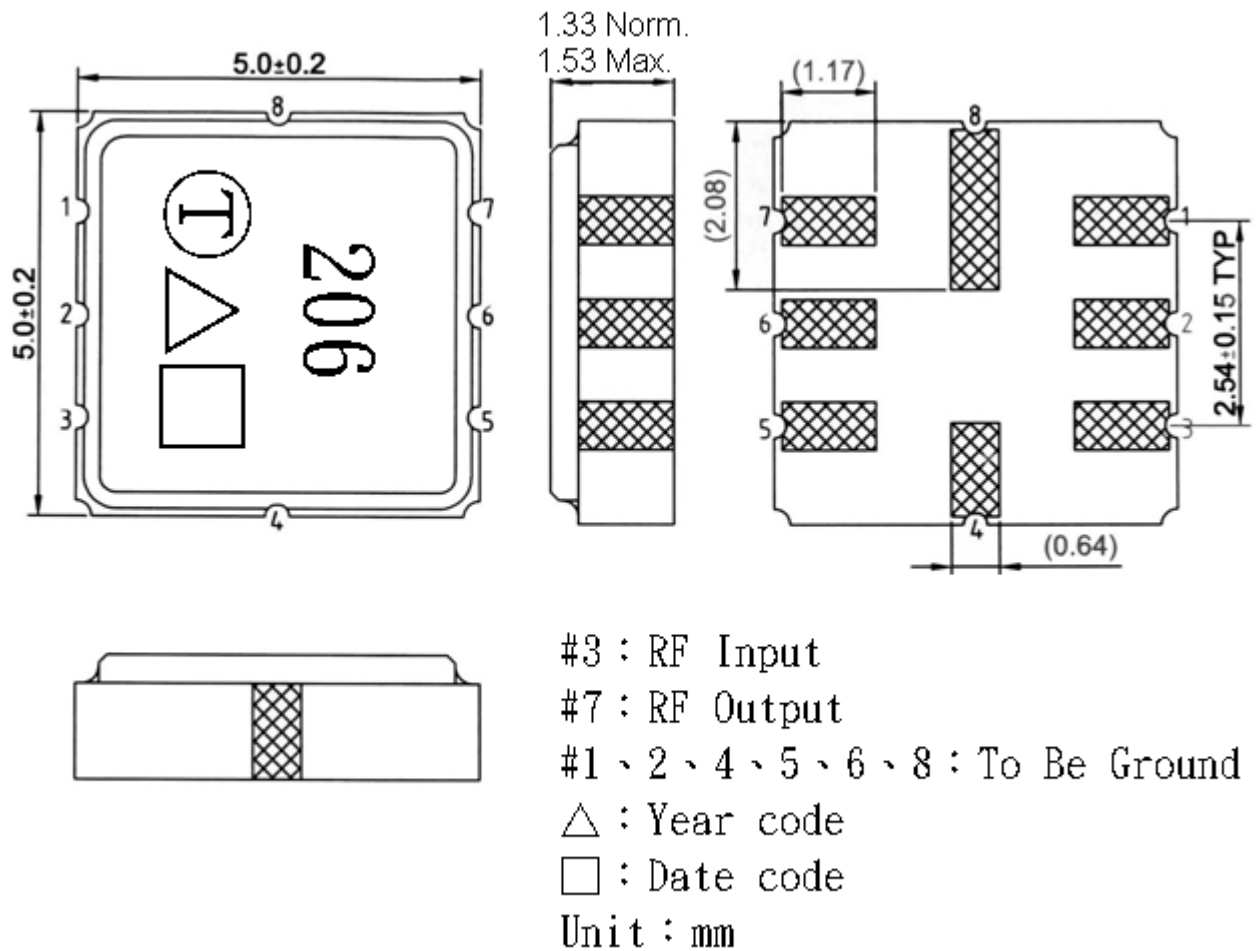
D. Measurement Circuit:



E. PCB FOOTPRINT:



F. Outline Drawing:



Product / Year Code- 4year cycle

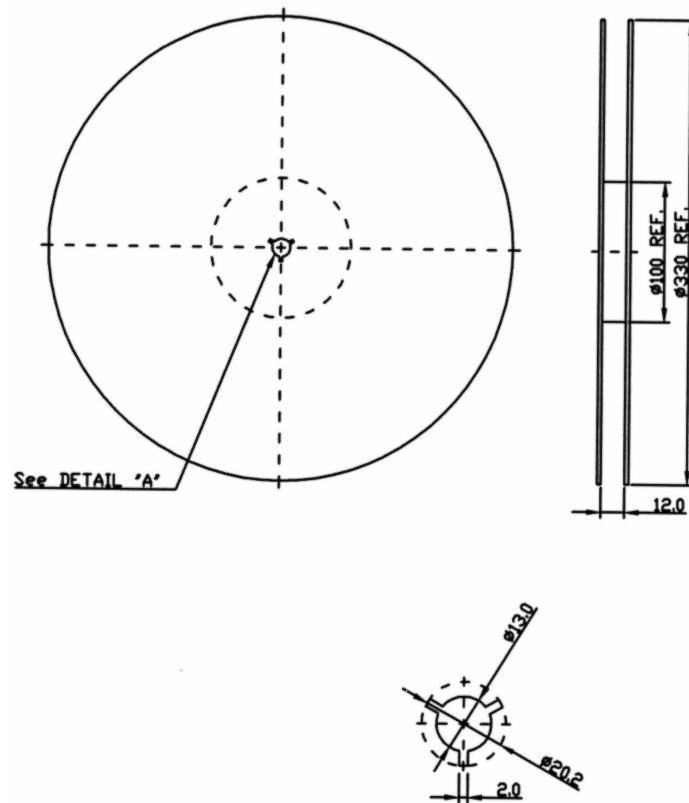
Year	2017 2021	2018 2022	2019 2023	2020 2024
Product Code	B	b	<u>B</u>	<u>b</u>

Week Code Table

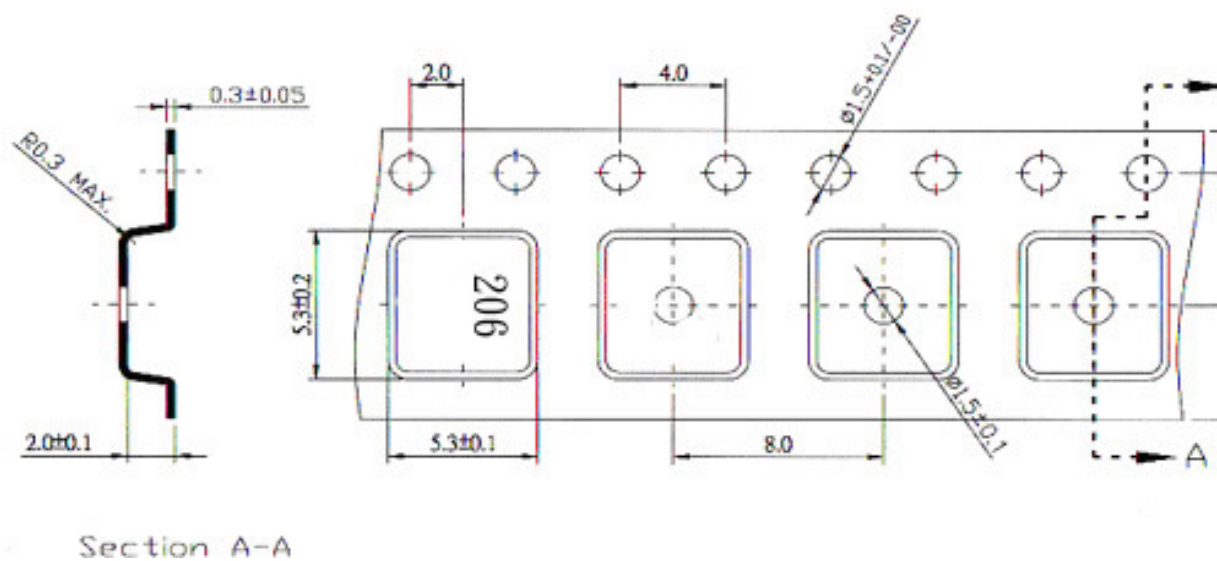
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150~180°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°C +0/-5°C peak (20~40sec).
4. Time: 2 times.

