



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: 246MHz 0.1MHz BW SMD 7.0 x 5.0 mm SAW IF Filter

TST Parts No.: TB0266B

Customer Parts No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Kazuma Lee *Kazuma Lee*

Approval by: _____ Andy Yu *Andy Yu*

Date: _____ 08 / 02 / 2018

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 246MHz

MODEL NO.:TB0266B

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 5V
3. Operating Temperature: -20°C to 85°C
4. Storage Temperature: -40°C to 125°C
5. Moisture Sensitivity Level: Level 1(MSL1)

RoHS Compliant
Lead free
Lead-free soldering

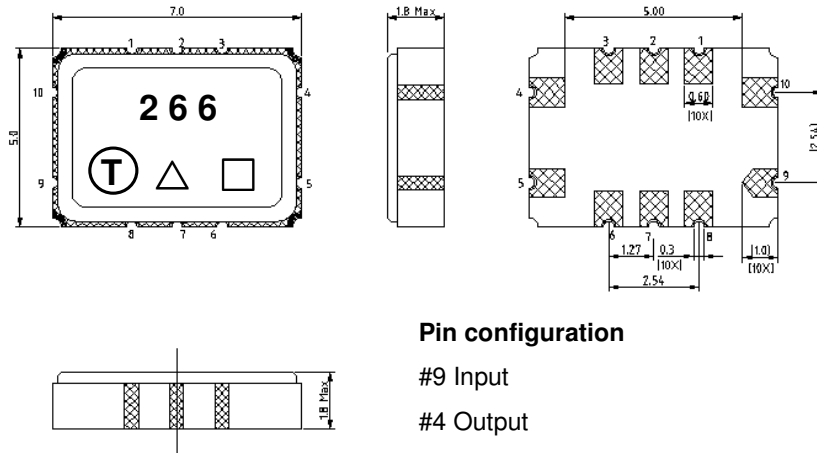
Electrostatic Sensitive Device

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center frequency, Fc	MHz	245.9	246	246.1	1
Minimum Insertion Loss, (Fc ±50KHz) IL	dB	-	4.1	6.5	1
3dB BW	MHz	0.15	0.188	0.25	1
Passband Ripple (Fc ±50KHz)	dB	-	0.35	3.0	1
Group delay ripple (Fc ±50KHz), GD	μs	-	1.0	4.0	1
Attenuation:(Reference level from Min IL)					
Fc – 25 to Fc – 1.6 MHz	dB	50	65	-	-
Fc – 1.6 to Fc – 0.6 MHz	dB	32	60	-	-
Fc – 0.6 to Fc – 0.4 MHz	dB	20	55	-	-
Fc + 0.4 to Fc + 0.6 MHz	dB	20	55	-	-
Fc + 0.6 to Fc + 1.6 MHz	dB	32	60	-	-
Fc + 1.6 to Fc + 25 MHz	dB	50	60	-	-
Temperature Coefficient	ppm/C ²	-0.032			

Note1. The standard definitions is in JIS C 6703

C.OUTLINE DRAWING:



Pin configuration

#9 Input

#4 Output

#10 Balance input or input ground

#5 Balance output or output ground

#1, 2, 3, 6, 7, 8 to be grounded

□ Week code

△ Product / Year Code

△ : Product / Year Code

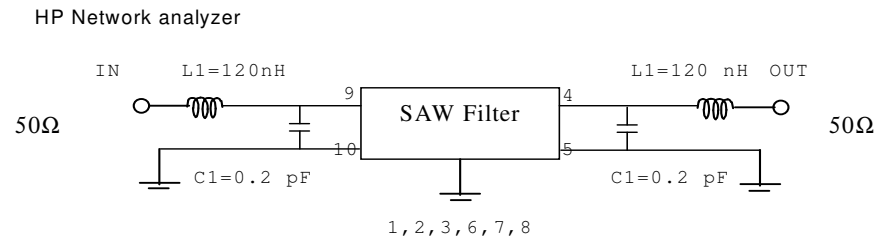
Year	2013 2017	2014 2018	2015 2019	2016 2020
Product Code	B	b	<u>B</u>	<u>b</u>

Week Code Table

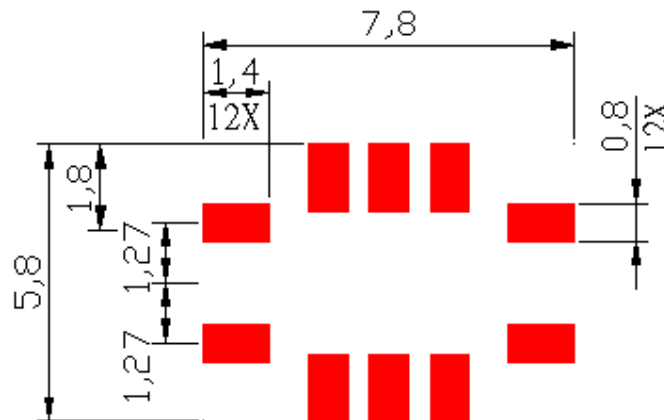
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

D. MEASUREMENT CIRCUIT:

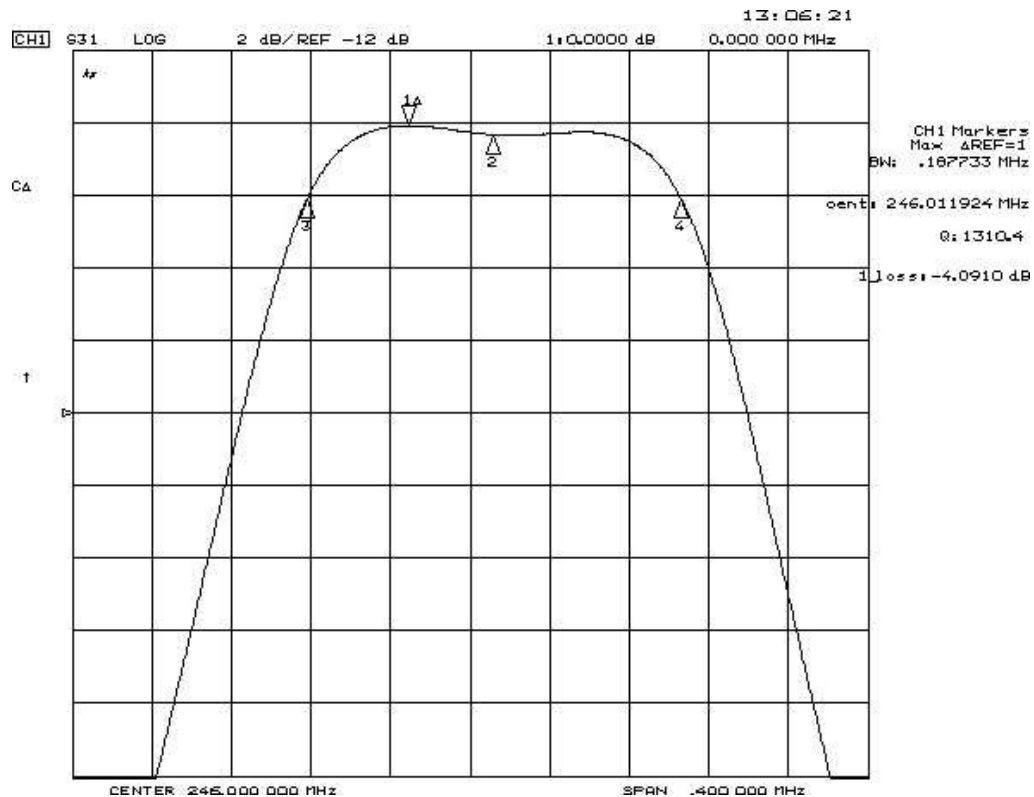
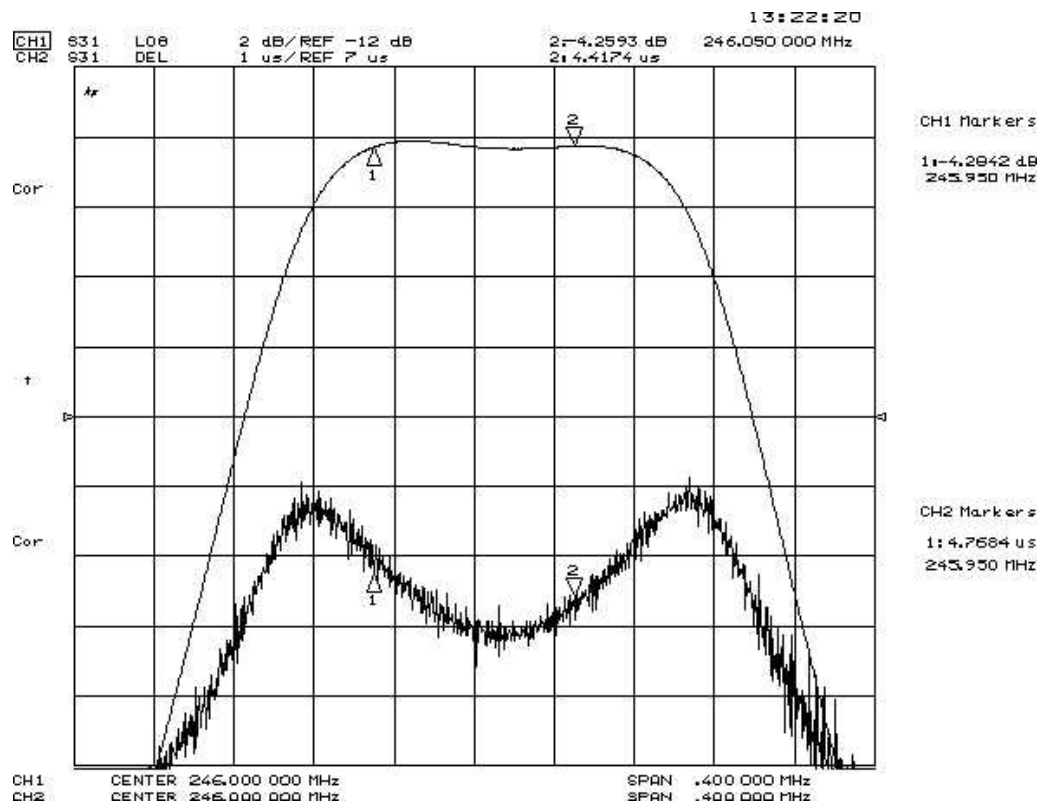
50 Ohm Test circuit (single-ended / single-ended)

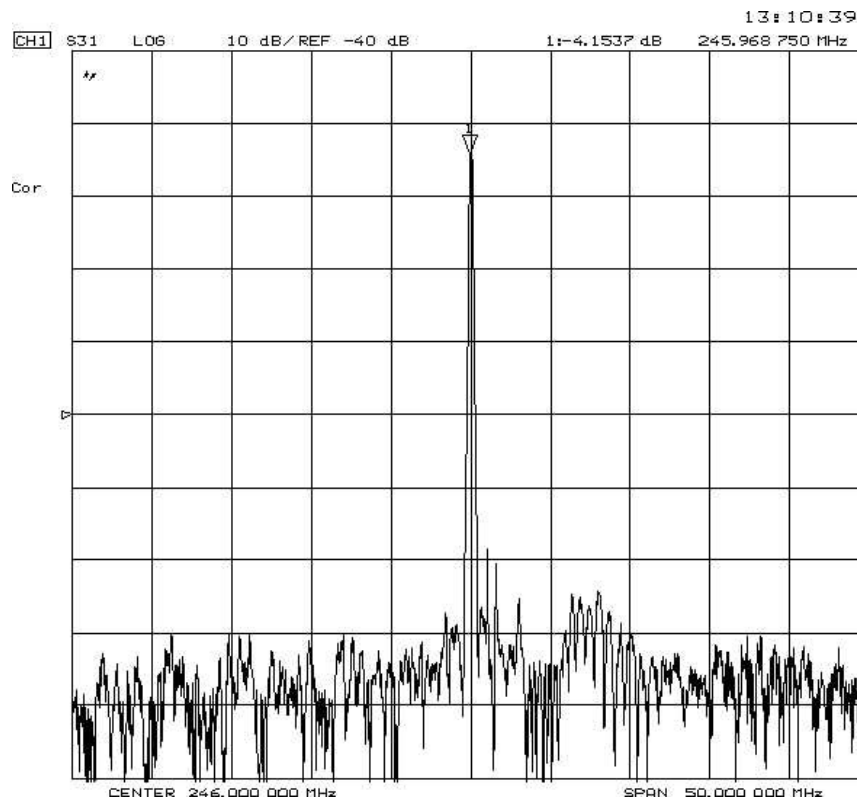
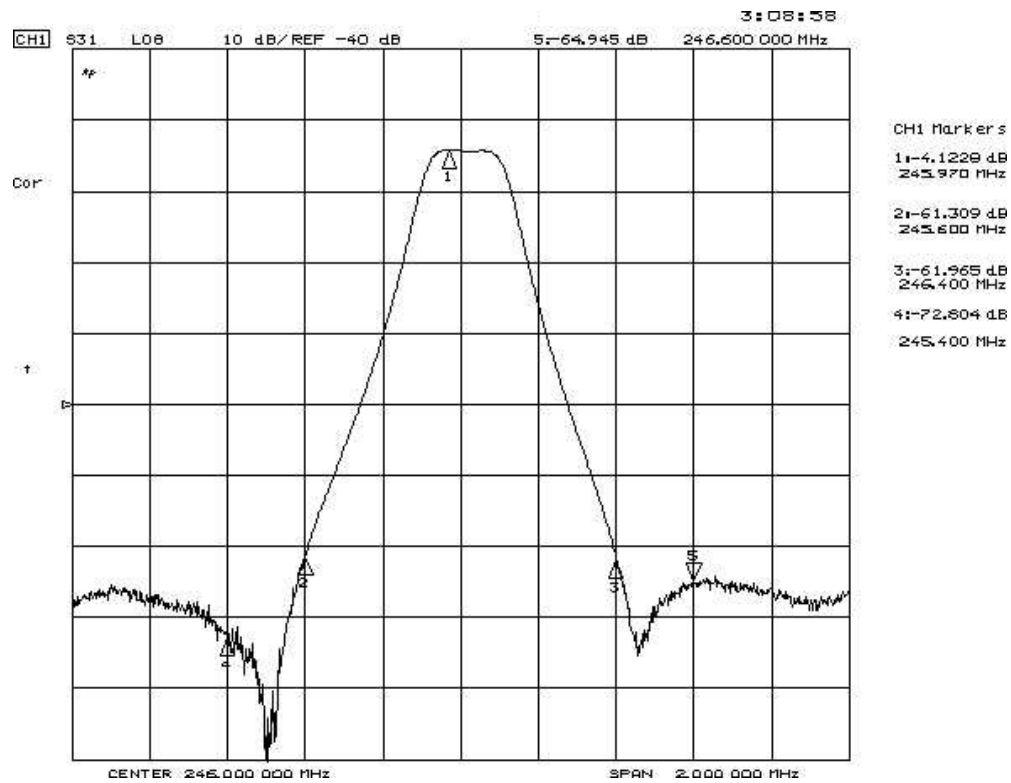


E. PCB FOOTPRINT:



F. FREQUENCY CHARACTERISTICS:

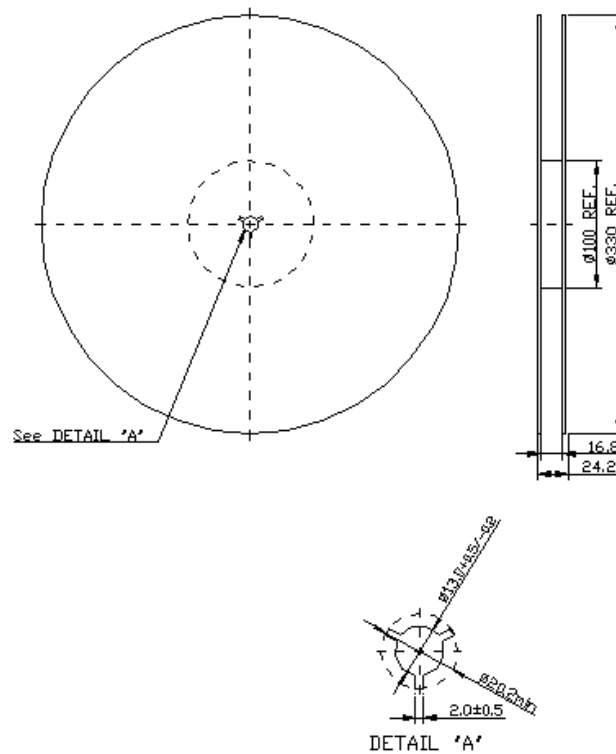




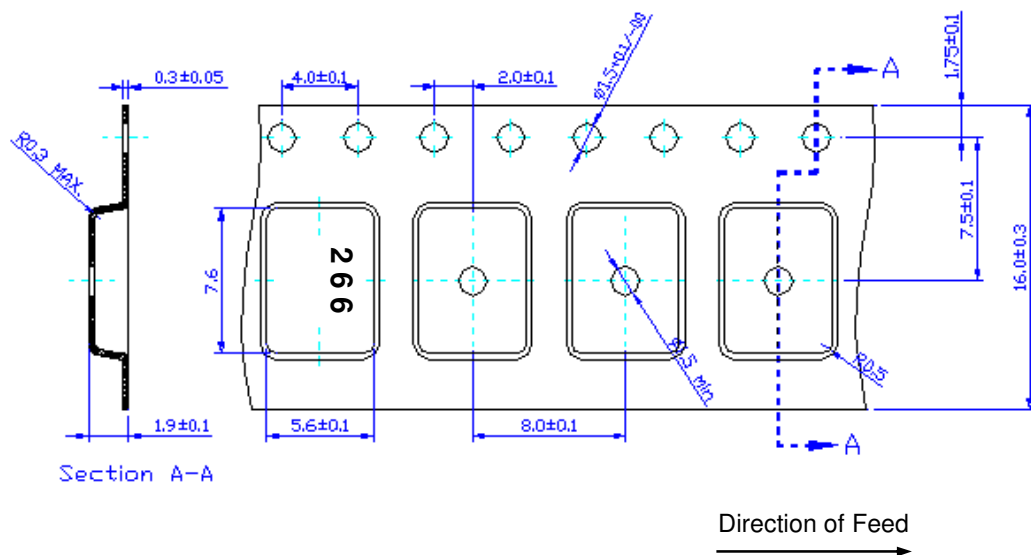
G. PACKING:

1. REEL DIMENSION

(Please refer to FR-75D10 for packing quantity and FR-75M03 for MSL)



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.

