



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: 169.4375MHz 7.5kHz BW SMD 7.0x5.0mm SAW IF Filter

TST Part No.: TB1064B

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Kazuma Lee *Kazuma Lee*

Approved by: _____ Andy Yu *Andy Yu*

Date: _____ 03 / 25 / 2020

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 169.4375MHz

MODEL NO.: TB1064B

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 15 dBm
2. DC voltage : 5 V
3. Operating Temperature: -30 °C to +80 °C
4. Storage Temperature: -40 °C to +85 °C
5. Moisture Sensitivity Level: Level1 (MSL1)

RoHS Compliant

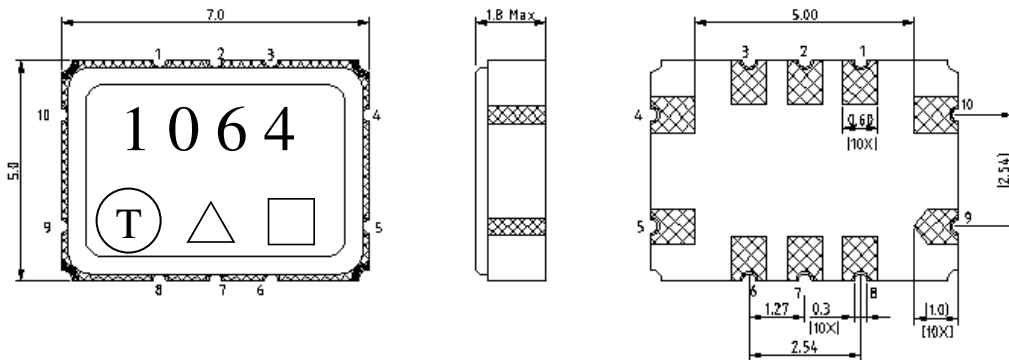
Lead-free soldering

Electrostatic Sensitive Device

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
Center frequency, Fc	MHz	-	169.4375	-	-
Insertion loss at center frequency ILc	dB	-	3	5	-
Ripple (169.43375 ~ 169.44125 MHz)	dB	-	0.1	2.0	-
Attenuation (reference level from ILc)					
Fc - 4 to Fc - 0.92 MHz	dB	40	60	-	-
Fc - 0.92 to Fc - 0.31 MHz	dB	30	55	-	-
Fc + 0.31 to Fc + 0.92 MHz	dB	30	55	-	-
Fc + 0.92 to Fc + 4 MHz	dB	40	42	-	-
Temperature coefficient of frequency TCf	-0.033 ppm/C ²				

C. OUTLINE DRAWING:



Pin configuration

- #9 Input
- #4 Output
- Others To be grounded
- △ : Year code
- : Week code

Product / Year Code - 4year cycle

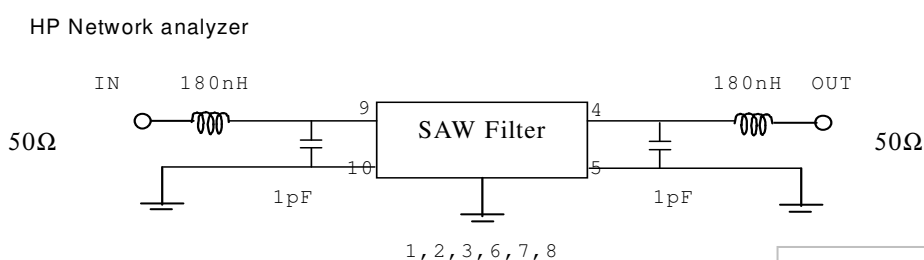
Year	2017 2021	2018 2022	2019 2023	2020 2024
Product Code	B	b	<u>B</u>	<u>b</u>

Week Code Table

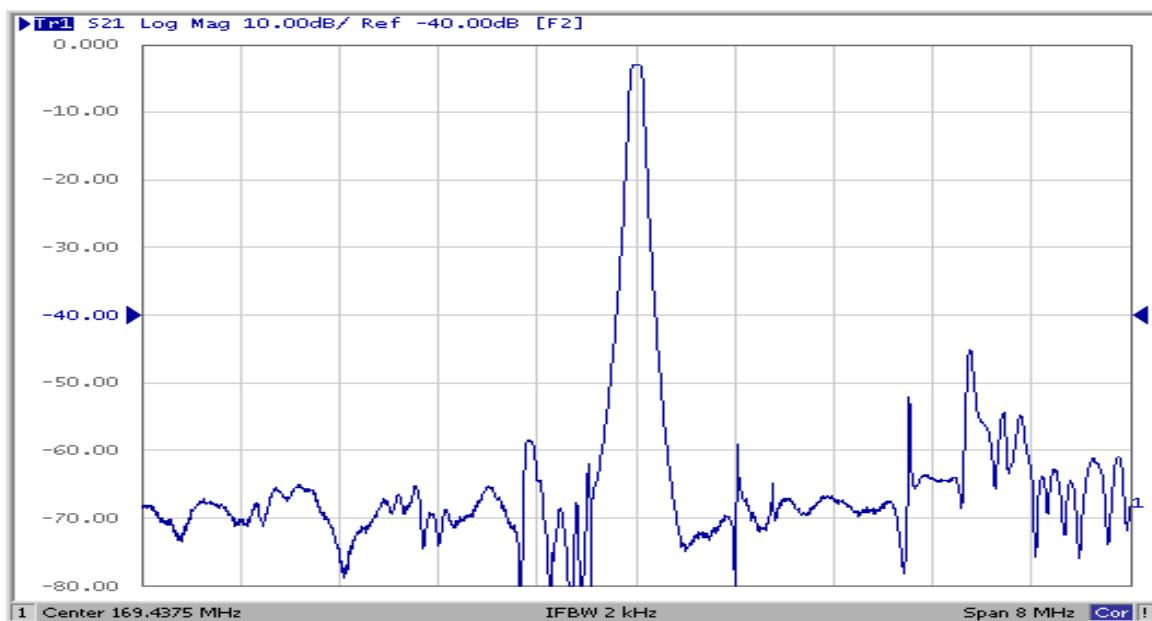
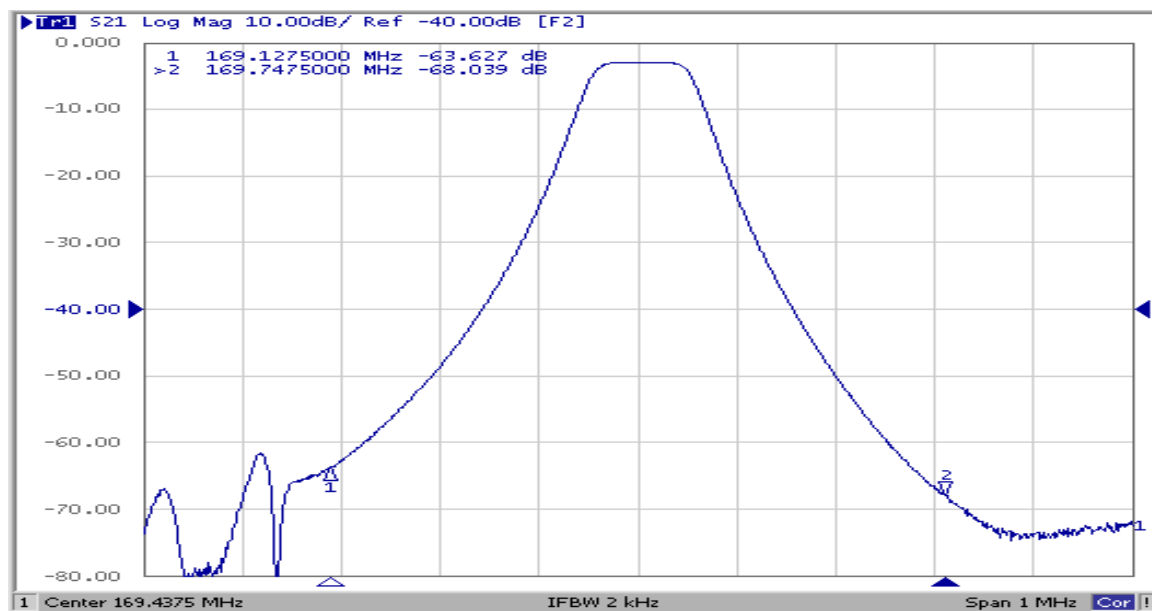
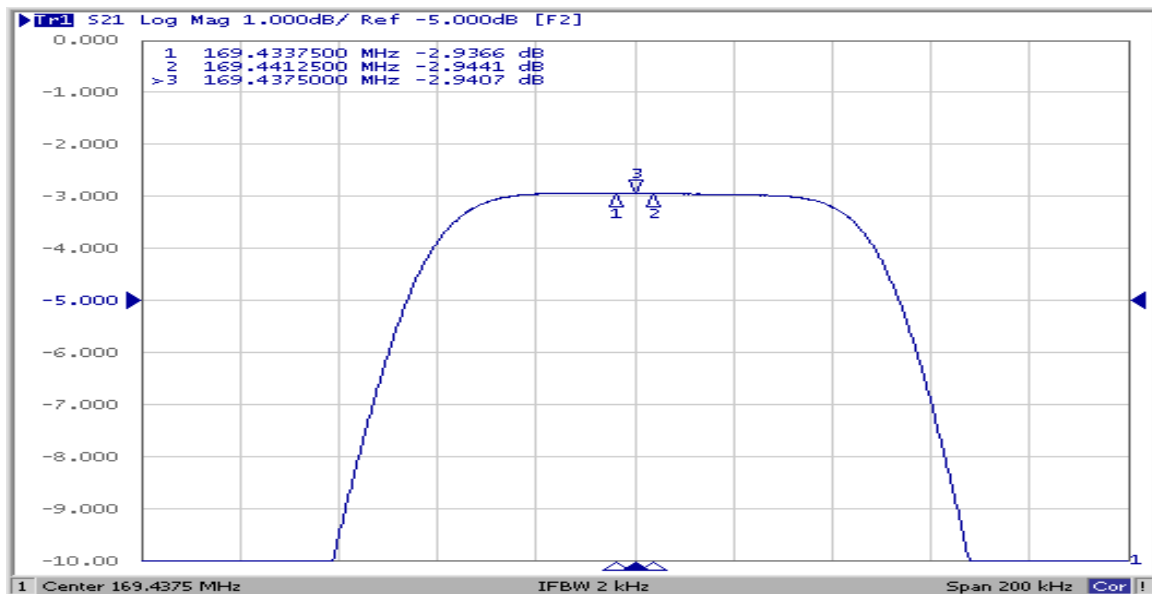
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

D. MEASUREMENT CIRCUIT:

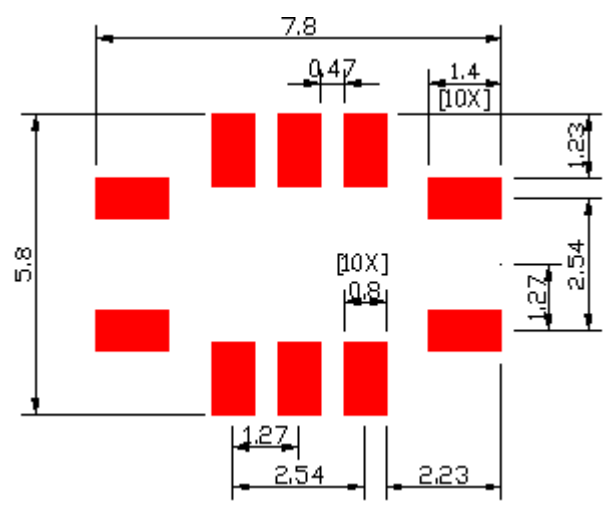
50 Ohm Test circuit (single-ended / single-ended)



E. Frequency Characteristics :

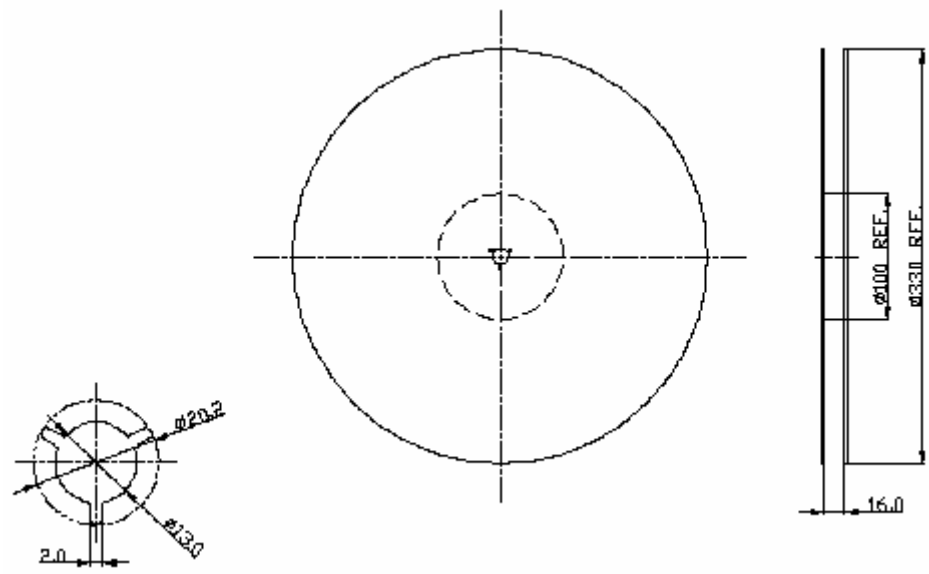


F. PCB FOOTPRINT:

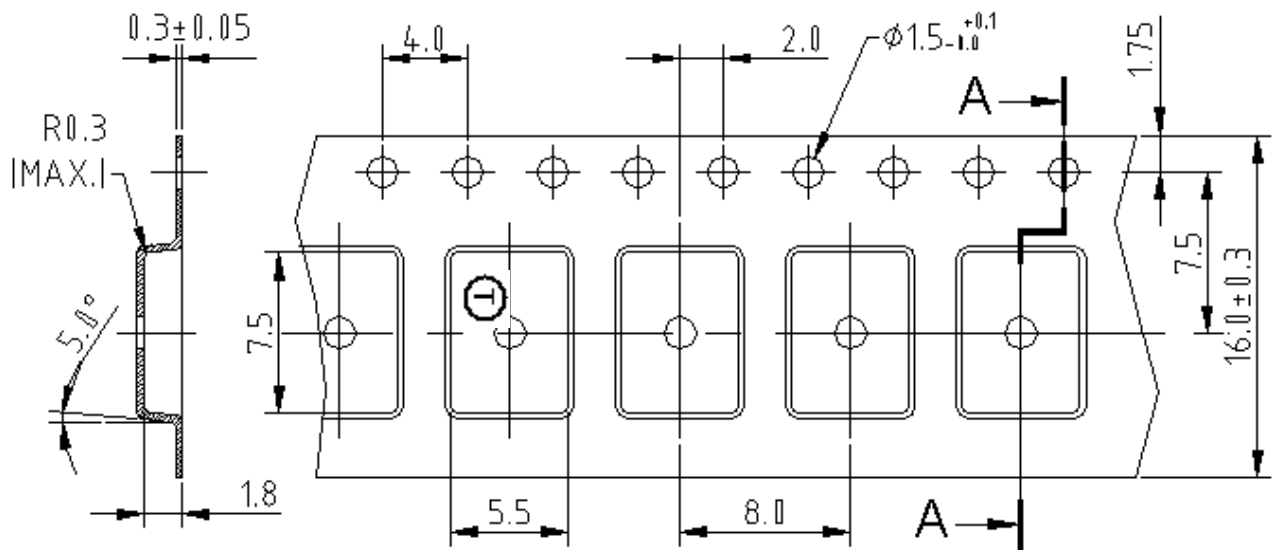


G. PACKING:

- 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.

