



TAI-SAW TECHNOLOGY CO., LTD.

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

Product Description: IF SAW Filter 360MHz

TST Parts No.:TB0130A

Customer Parts No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Kazuma Lee *Kazuma Lee*

Approval by:_____Andy Yu *Andy Yu*

Date:_____2018/08/27

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.



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IF SAW Filter 360MHz

MODEL NO.: TB0130A

Rev. No.:5.0

A. MAXIMUM RATING:

1. Input Power Level: 5 dBm
2. Operating Temperature: -20°C to 75°C
3. Storage Temperature: -35°C to 85°C
4. Moisture Sensitivity Level: Level 1(MSL1)

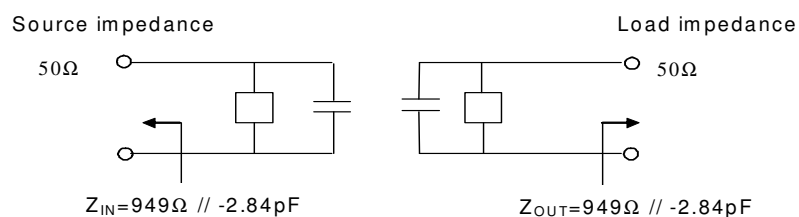
RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device

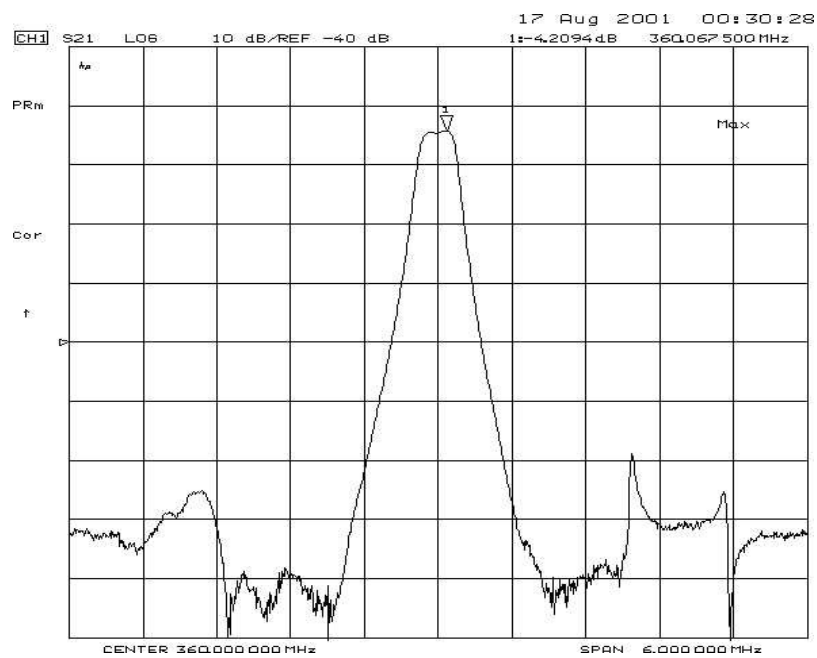
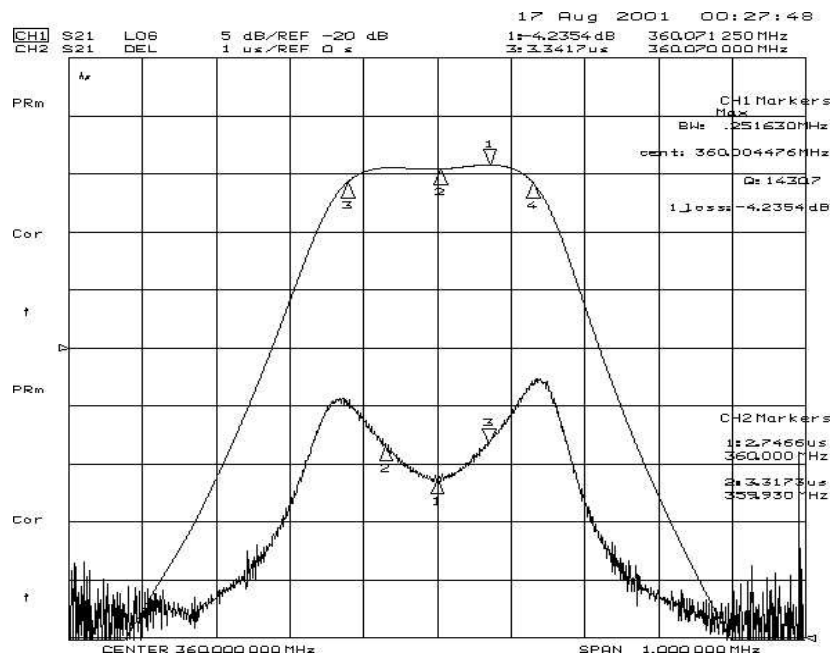
B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center frequency, F_c	MHz	-	360	-	1
Insertion Loss, IL	dB	-	4.2	5.0	1
Passband Ripple in F_c±67.7KHz ,	dB	-	0.4	1.5	1
Group delay ripple in F_c±67.76KHz , GD	μs	-	0.5	2.0	1
Attenuation:(Reference level from Min IL)					
F_c ± 0.4 to F_c ± 0.6 MHz	dB	29	40	-	
F_c ± 0.6 to F_c ± 0.8 MHz	dB	42	70	-	
F_c - 0.8 to F_c - 3.0 MHz	dB	50	61	-	
F_c - 3.0 to F_c - 57 MHz	dB	52	62	-	
F_c - 57 to F_c - 77 MHz	dB	49	69	-	
F_c - 77 to F_c - 115 MHz	dB	52	69	-	
F_c + 0.8 to F_c + 1.6 MHz	dB	50	61	-	
F_c + 1.6 to F_c + 3.0 MHz	dB	45	65	-	
F_c + 3.0 to F_c + 115 MHz	dB	52	58	-	

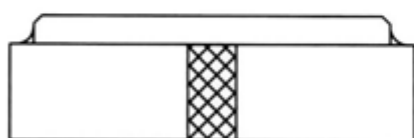
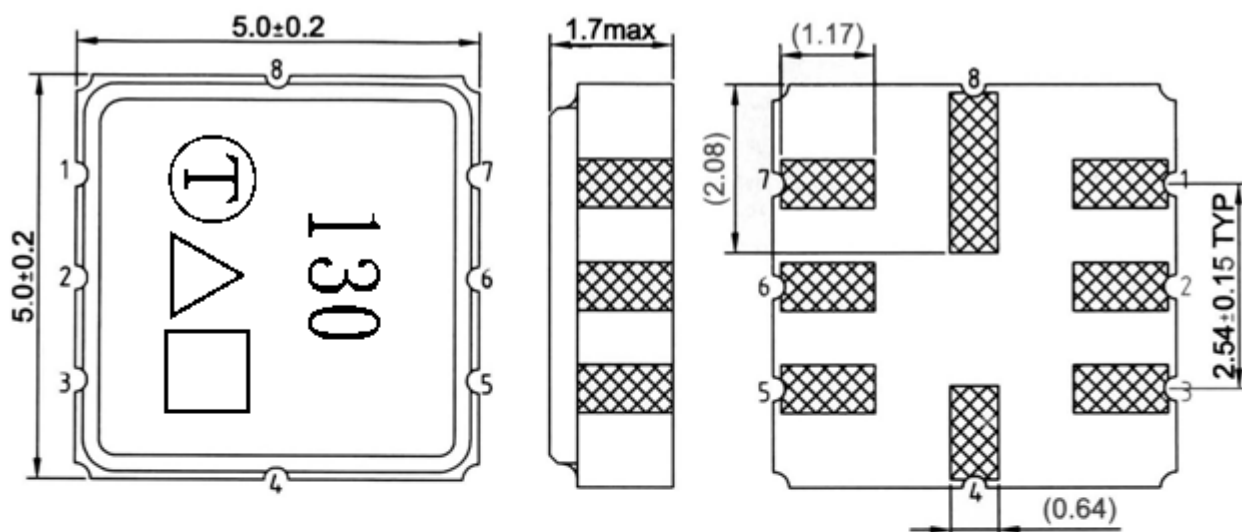
Note1. The standard definitions is in JIS C 6703



C. Frequency Characteristics:



D.OUTLINE DRAWING:



#1 : Input 1
 #2 : Input 2
 #5 : Output 1
 #6 : Output 2
 #3、4、7、8 : Ground
 △ : Year code
 □ : Date code
 Unit : mm

Product / Year Code- 4year cycle

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

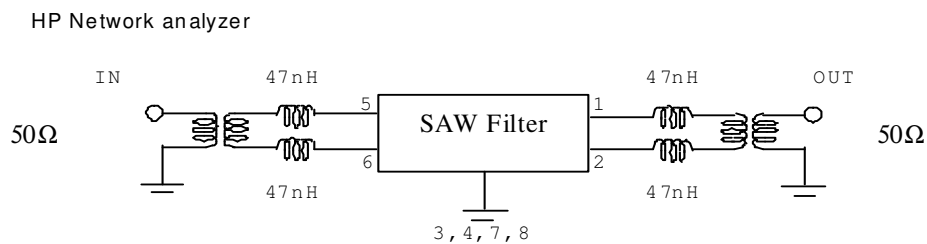
Week Code Table

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

E. MEASUREMENT CIRCUIT:

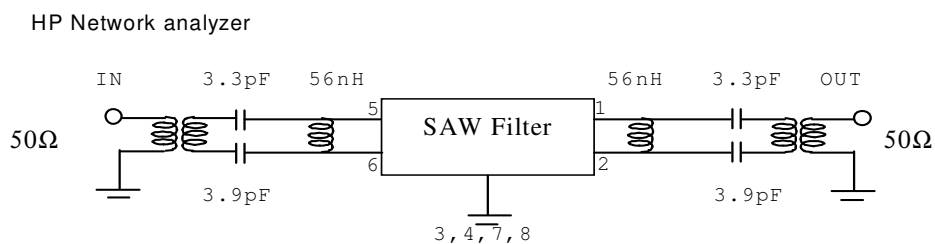
50 Ohm Test circuit

1



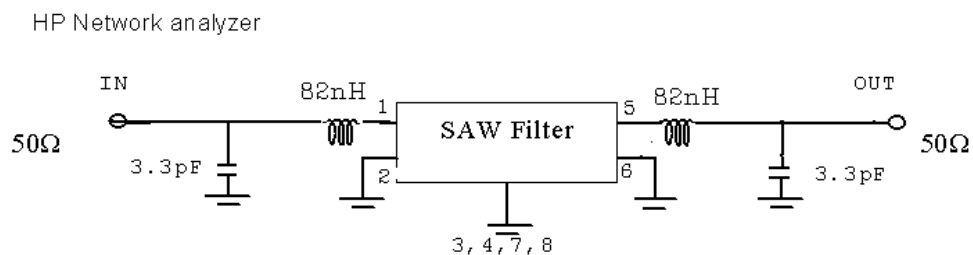
50 Ohm Test circuit

2

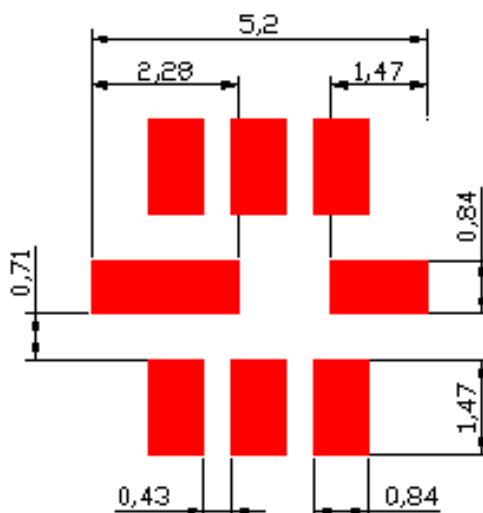


50 Ohm Test circuit

3

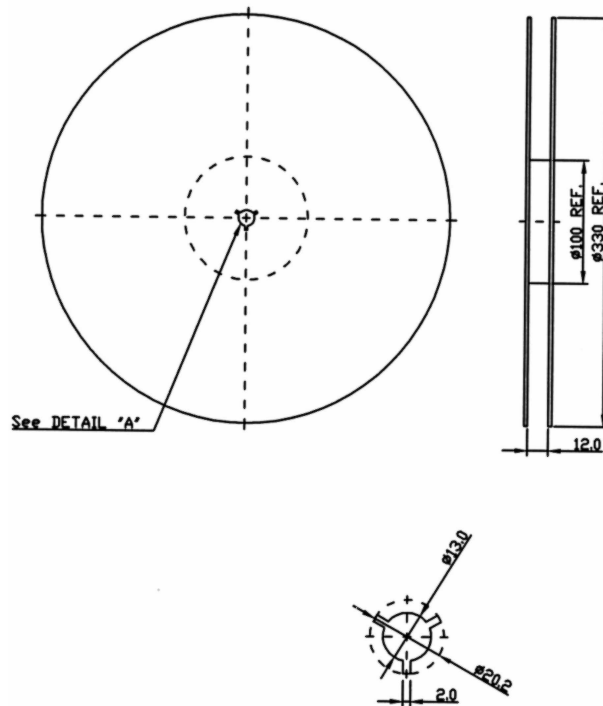


F. PCB FOOTPRINT:

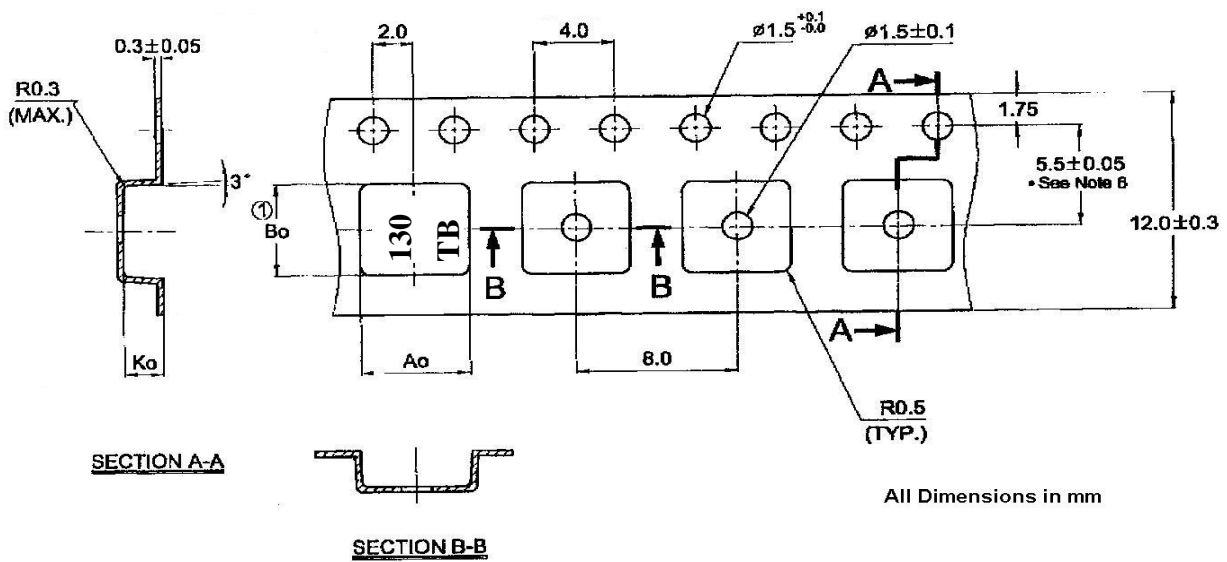


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



$$Ao = 5.30 \pm 1 \text{ mm}$$

$$Bo = 5.30 + 0.2 / - 0.0 \text{ mm}$$

$$Ko = 2.0 \pm 0.1 \text{ mm}$$

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.

