



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: 343.5MHz 4.6MHz BW SMD 7.0 x 5.0 mm SAW IF Filter

TST Parts No.: TB0621A

Customer Parts No.: _____

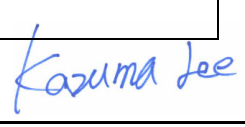
Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Kazuma Lee 

Approval by: _____ Andy Yu 

Date: _____ 12 / 11 / 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 343.5 MHz SMD 5.0mmX7.0mm

MODEL NO.: TB0621A

Rev No.2

A. MAXIMUM RATING:

1. Operating Temperature: -10°C to +70°C
2. Storage Temperature: -40°C to +85°C
3. Maximum Input Power : 10dBm
4. Moisture Sensitivity Level: Level 1(MSL1)

RoHS Compliant
Lead free
Lead-free soldering

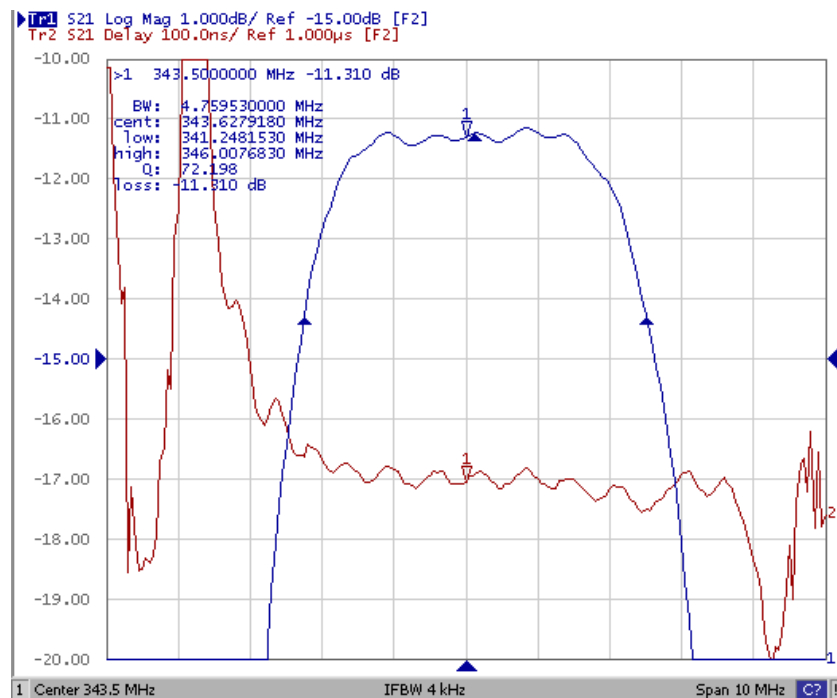
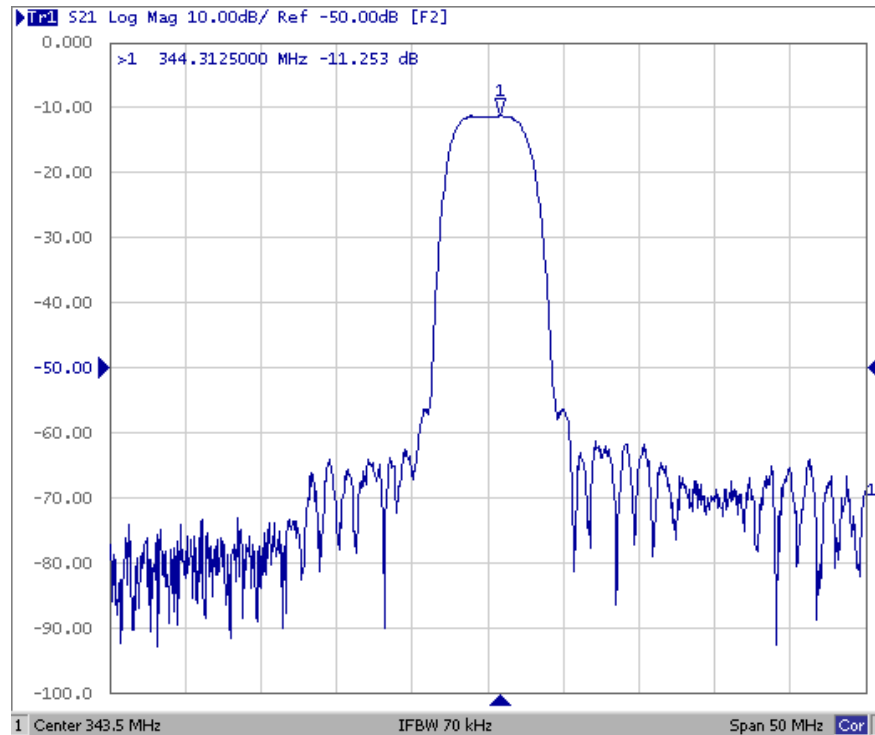
Electrostatic Sensitive Device

B. ELECTRICAL CHARACTERISTICS:

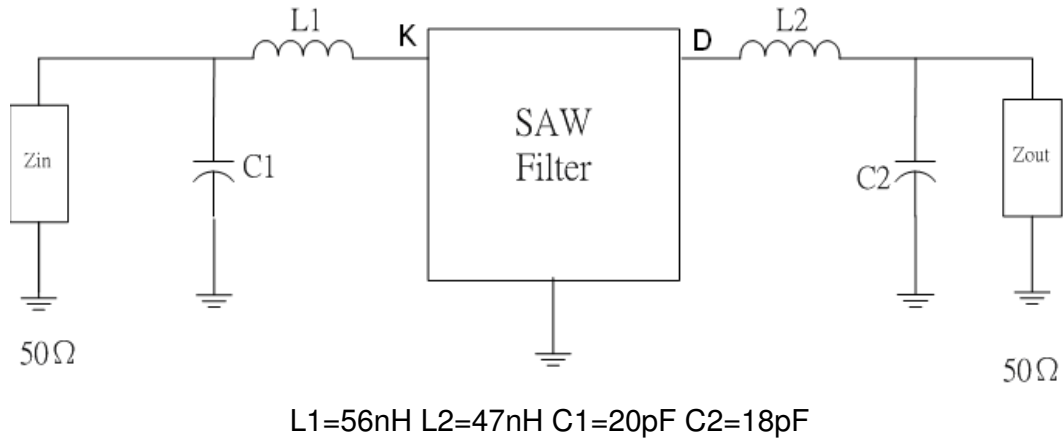
1. Ambient Temperature: 25 °

Item		Min.	Typical	Max.
Center frequency Fc	MHz	-	343.5	-
Insertion loss at Fc	dB	-	11.2	14.0
Bandwidth at -3.0dB	MHz	-	4.7	-
Amplitude Ripple (Fc ± 1.6 MHz)	dB	-	0.5	1.0
Group Delay Ripple (Fc ± 1.6 MHz)	nS	-	40	100
Triple transit suppression	nS	30	45	-
Attenuation (Reference level from minimum Insertion loss)				
243.5MHz ~ 334.5MHz	dB	40	54	-
334.5MHz ~338.5MHz	dB	35	50	-
348.5MHz ~352.5MHz	dB	35	45	-
352.5MHz ~443.5MHz	dB	40	50	-
Temp Coefficient	ppm/°C ²	-	-0.036	-

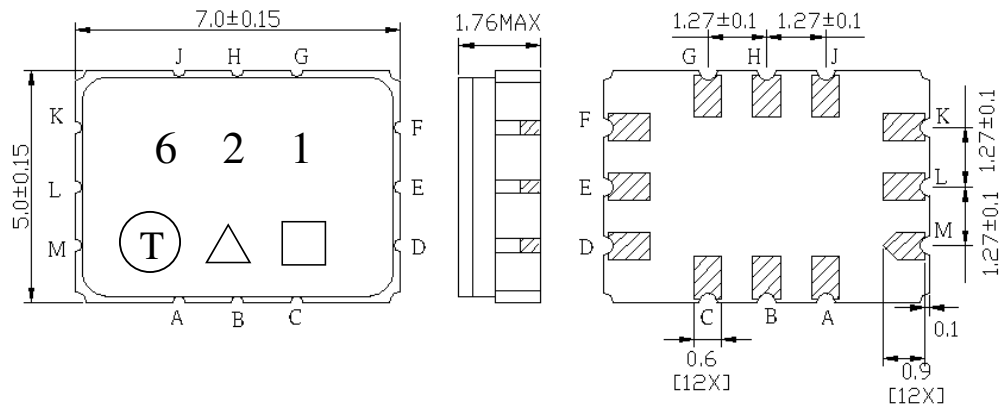
C. FREQUENCY CHARACTERISTICS:



D. MEASUREMENT CIRCUIT:



E. OUTLINE DRAWING:



Pin K: RF Input

Pin D: RF Output

Others: To be ground

Unit: mm

□: Week Code

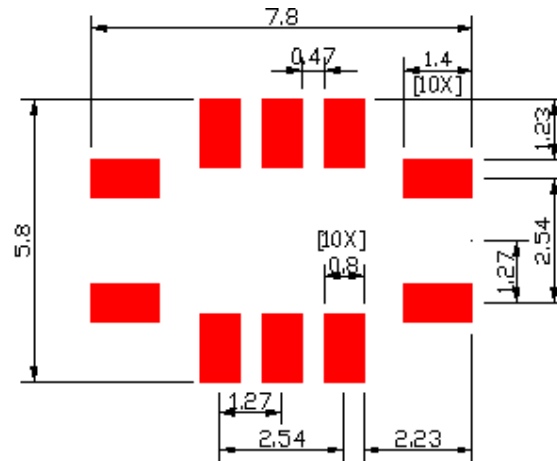
△: Product / Year Code Four-year cycle

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

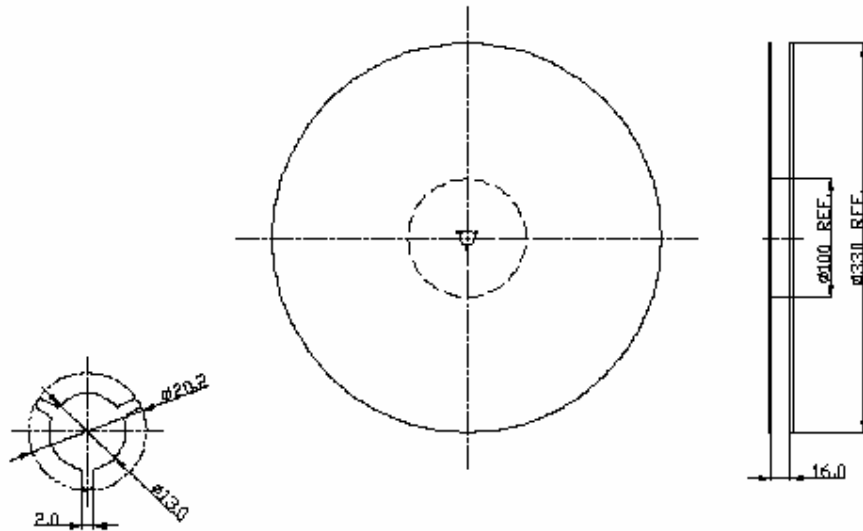
F. PCB FOOTPRINT:



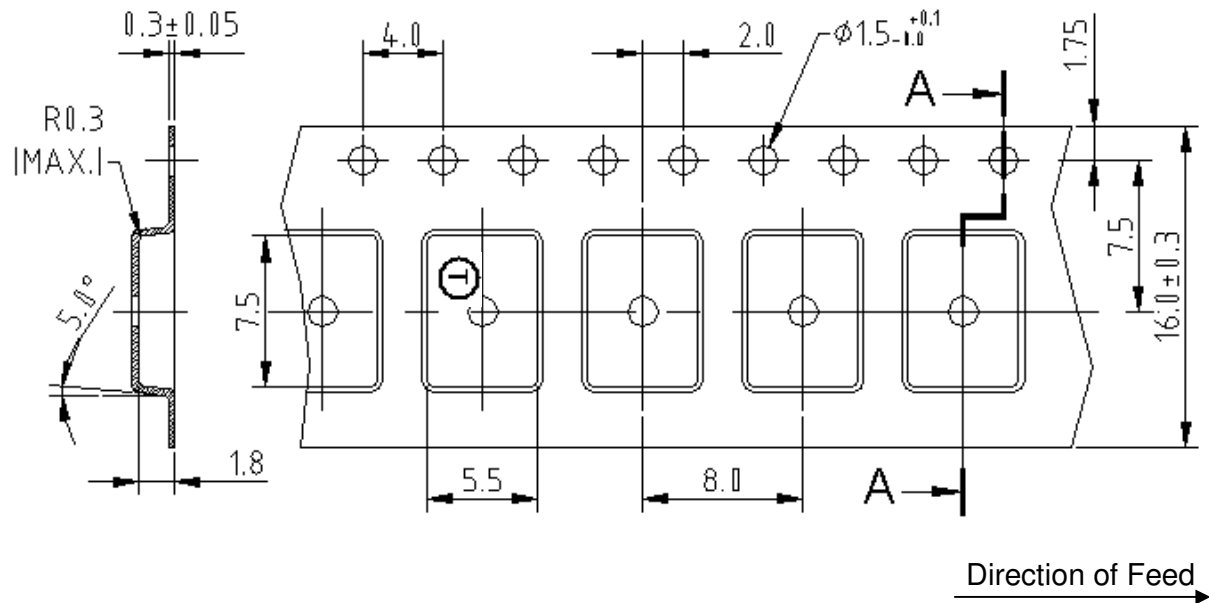
G. PACKING:

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 $\pm 0/-5^\circ\text{C}$ peak (20~40sec).
4. Time: 2 times.

