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: 950 MHz 150MHz BW SMD 3.8 x 3.8 mm SAW IF Filter

TST Parts No.: TB0661A

Customer Parts No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Kazuma Lee Kazuma Lee

Approval by: Andy Yu Andy Yu

Date: 2019/12/03

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 950MHz 150MHz BW (SMD 3.8x3.8 mm)
MODEL NO.: TB0661A REV. NO.:3.0

A. MAXIMUM RATING:

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

RoHS Compliant
Lead-free soldering

Electrostatic **S**ensitive **D**evice

B. CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.
Center frequency, Fc	MHz	-	950	-
Insertion Loss, IL	dB	-	15.3	17.0
1dB Bandwidth	MHz	150	157	160
Rejection **1 ~ 760 MHz** **1140 ~ 2000MHz**	 dB dB	 32 32	 38 36	 - -
Passband Ripple Fo +/- 60MHz	dB	-	0.4	1.0
Group delay ripple Fo+/- 60MHz	nsec	-	7	-
Temperature Coefficient	ppm/℃	-	-94	-
Source Impedance	Ohm	-	50	-
Load Impedance	Ohm	-	50	-

C. FREQUENCY CHARACTERISTICS:

(1) Narrow band Response:(span 1000MHz)

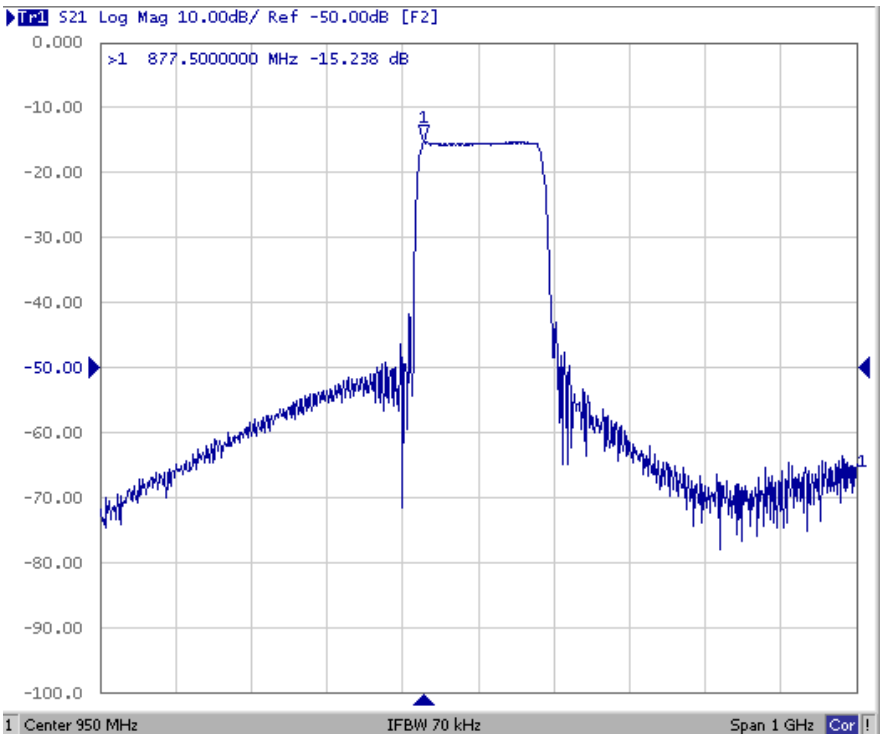


Fig1. Horizontal: 100MHz/Div Vertical: 10dB/Div

(2) Pass band Response and Group Time Delay response:

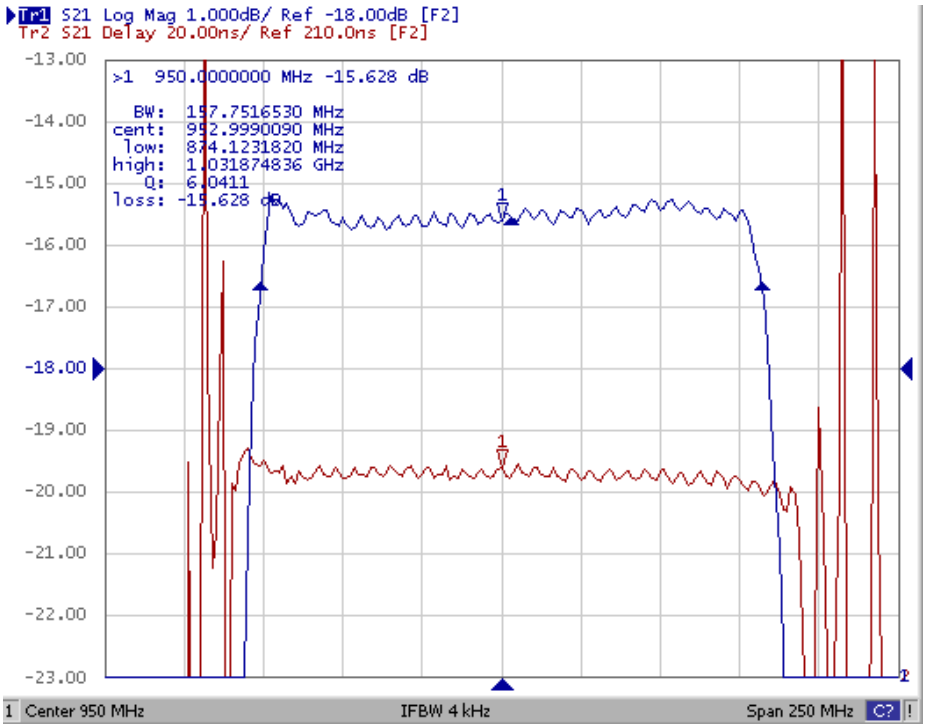
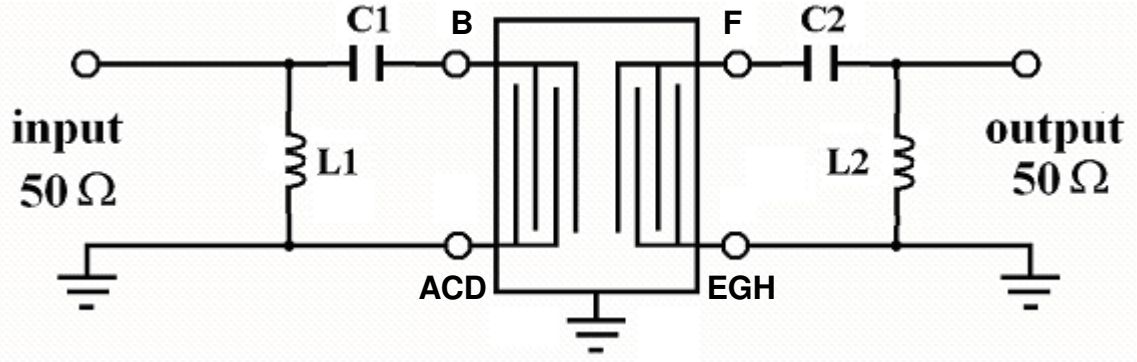


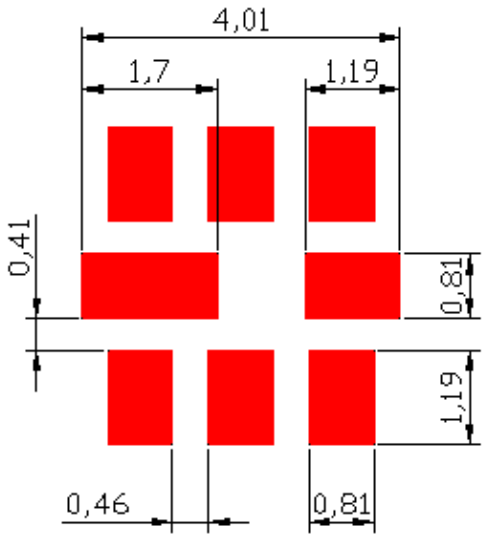
Fig2. Horizontal: 25MHz/Div Vertical: 1dB/Div
Vertical: 20nS/Div

D. MEASUREMENT CIRCUIT:

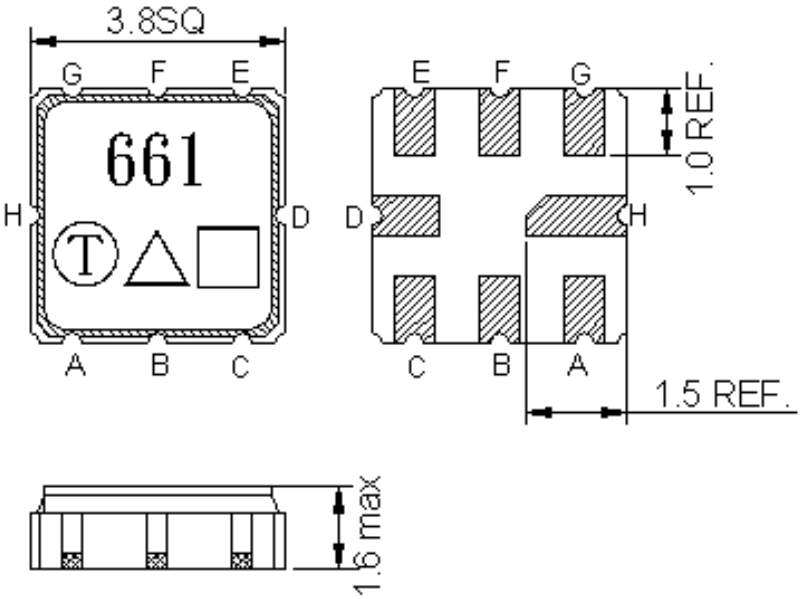


LI=L2=5.6nH C1=8pF C2=18pF

E. PCB FOOTPRINT:



F. OUTLINE DRAWING:



Pin B：RF Input
Pin F：RF Output
#A、C、D、E、G、H：To Be Ground
△：Year code
□：Date code
Unit：mm

Product / Year Code- 2year cycle

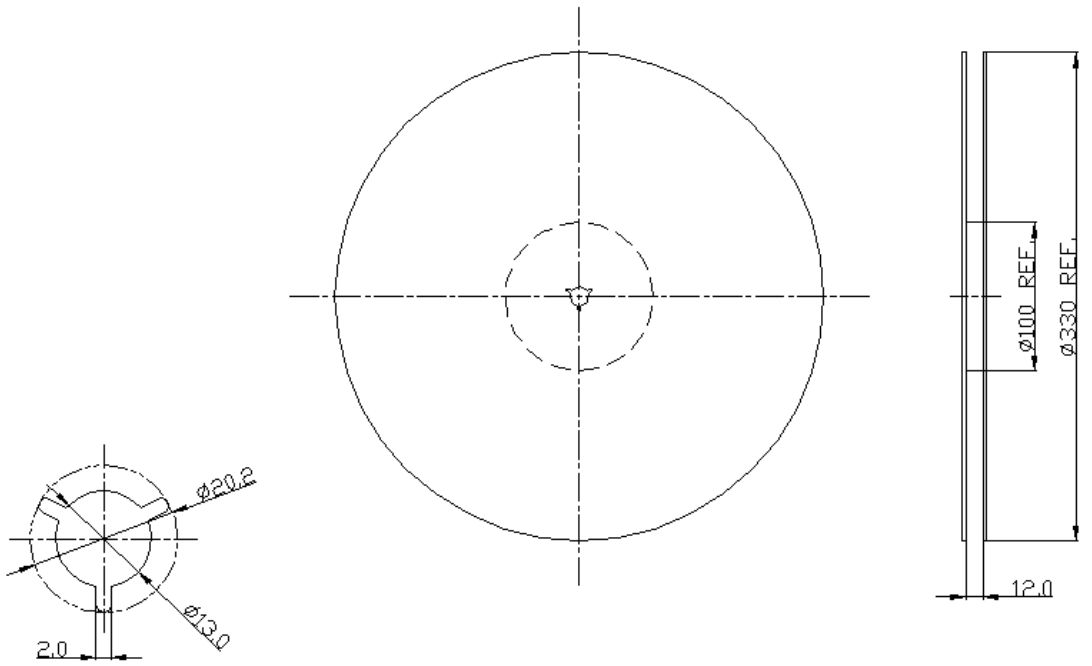
Year	2019 2021	2020 2022
Product Code	B	b

Week Code Table

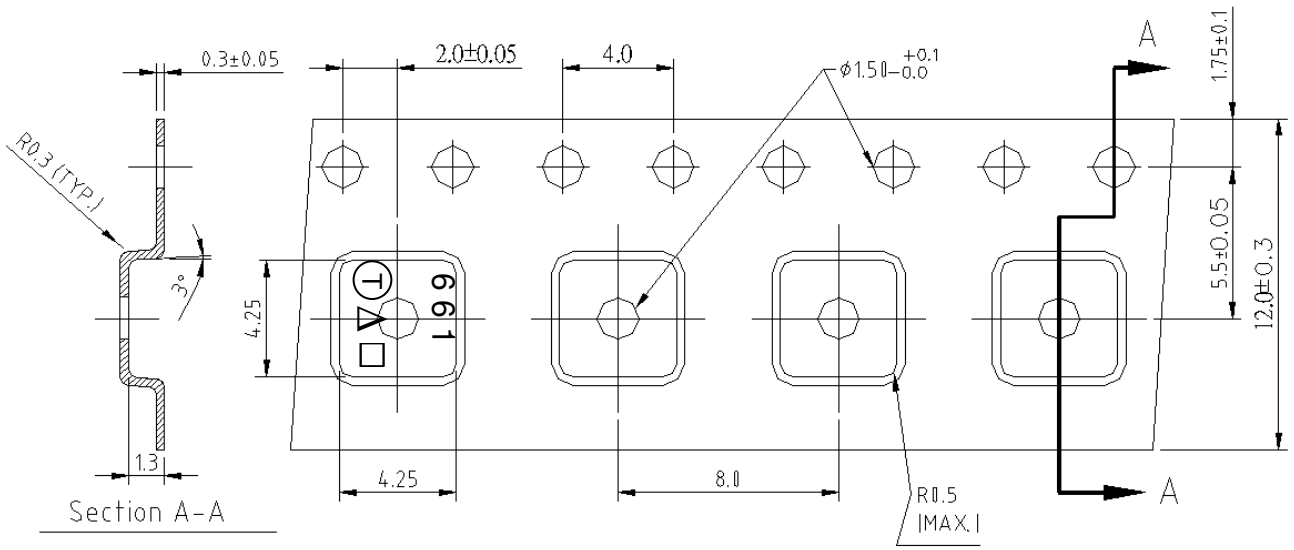
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	**WK15**	**WK16**	**WK17**	**WK18**	**WK19**	**WK20**	**WK21**	**WK22**	**WK23**	**WK24**	**WK25**	**WK26**
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	**WK28**	**WK29**	**WK30**	**WK31**	**WK32**	**WK33**	**WK34**	**WK35**	**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℃ for 60~90 seconds.
2. Ascending time to preheating temperature 150℃ shall be 30 seconds min.
3. Heating shall be fixed at 220℃ for 50~80 seconds and at 260℃+0/-5℃ peak (20~40sec).
4. Time: 2 times.