



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 Specification Approval Sheet

Product Name: SAW Filter 638 MHz SMD 3.8X3.8 mm(BW=24MHz)

TST Parts No.: TA0963B

Customer Parts No.: _____

Customer signature required

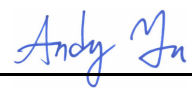
Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Anne Chen 

Approved by: _____ Andy Yu 

Date: _____ 12, 09, 2019

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 638MHz

MODEL NO.:TA0963B

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -30 °C to +55 °C
4. Storage Temperature: -40 °C to +85 °C
5. Moisture Sensitivity Level: Level 1 (MSL 1)

RoHS Compliant

Lead-free soldering

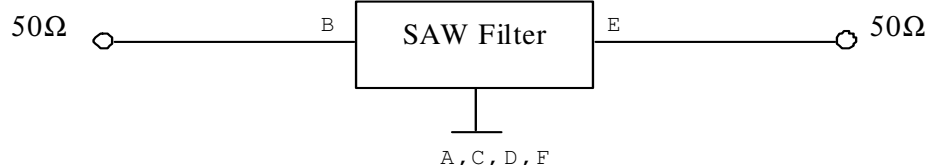
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center Frequency F_c	MHz	-	638		-
Insertion Loss (626~ 650 MHz) IL	dB	-	2.3	4.5	-
Amplitude Ripple(626~ 650 MHz)	dB	-	0.8	3	-
Group Delay Variation (626~ 650 MHz)		-	32	100	-
Relative Attenuation (relative to 0 dB)					
0 ~ 573 MHz	dB	35	57	-	-
573 ~ 590 MHz	dB	37	58	-	-
675 ~ 720 MHz	dB	30	40	-	-
720 ~ 1000 MHz	dB	35	50	-	-
1000 ~ 1500 MHz	dB	30	47	-	-
Temperature Coefficient of Frequency	Ppm/°C		-35		

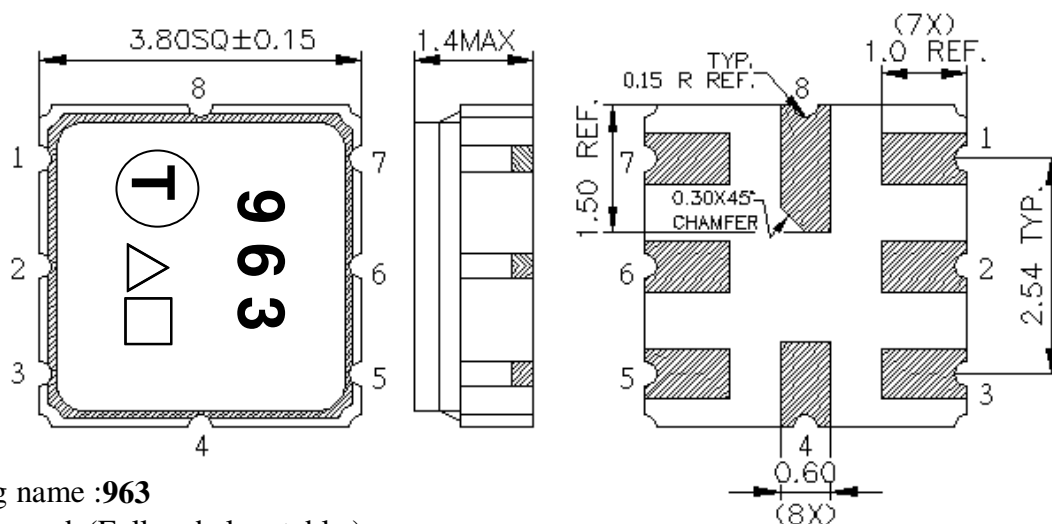
C. MEASUREMENT CIRCUIT:

HP Network analyzer



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D.OUTLINE DRAWING:



Marking name :963

△ : year code(Follow below table.)

Year	西元奇數年	西元偶數年
Product Code	A	a

□ : Date Code (Follow the table from planner each year)

Date 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

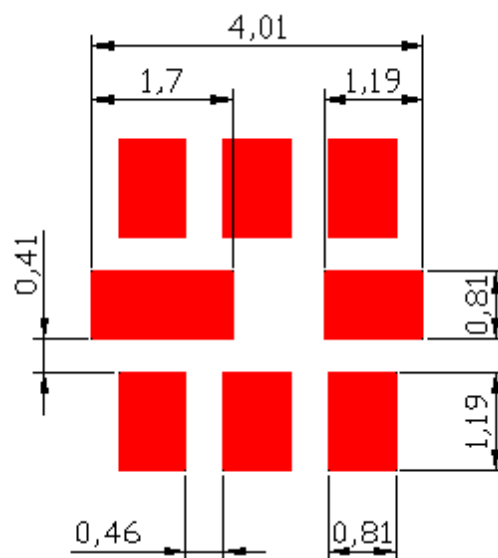
#2: Input

#6: Output

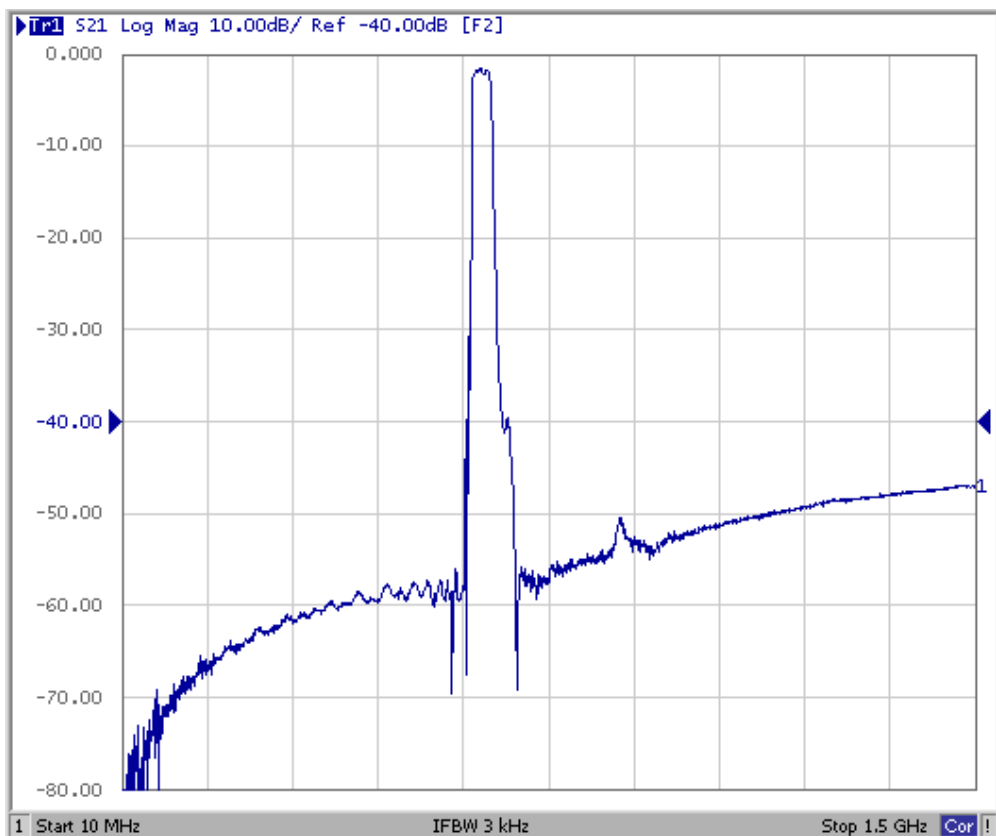
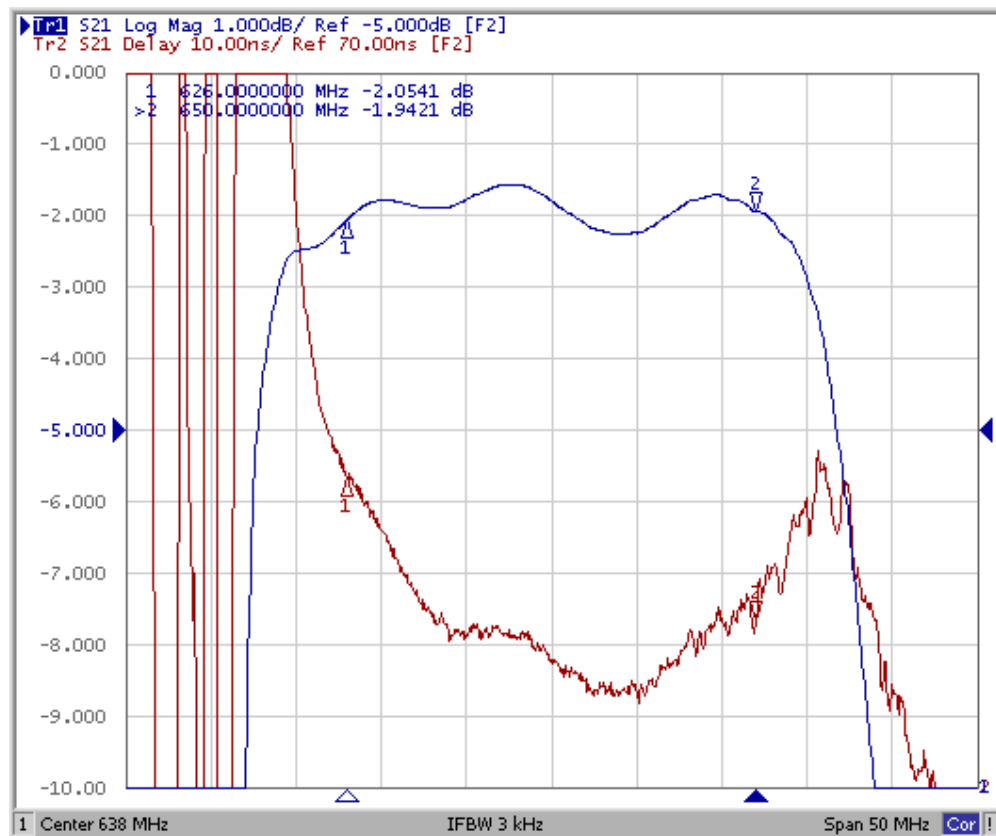
#1,3,4,5,7,8: Ground

Unit: mm

E. PCB Footprint:



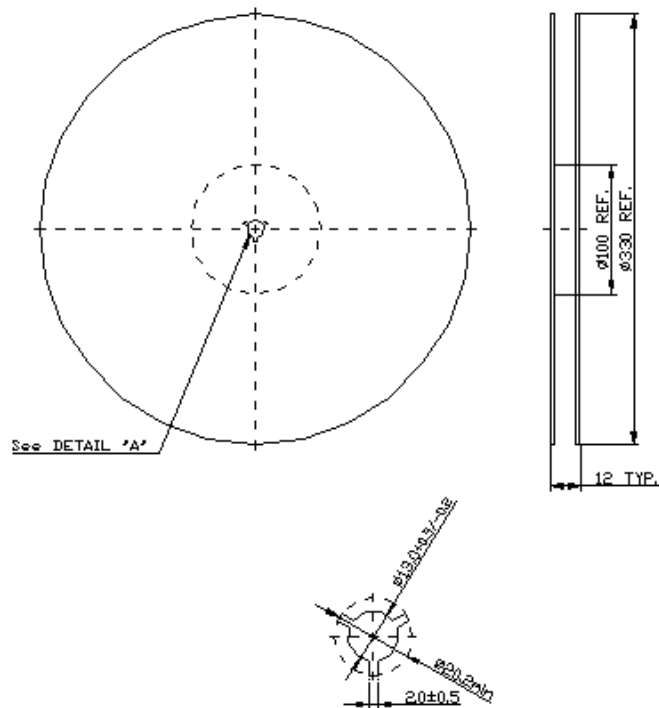
F. Frequency Characteristics :



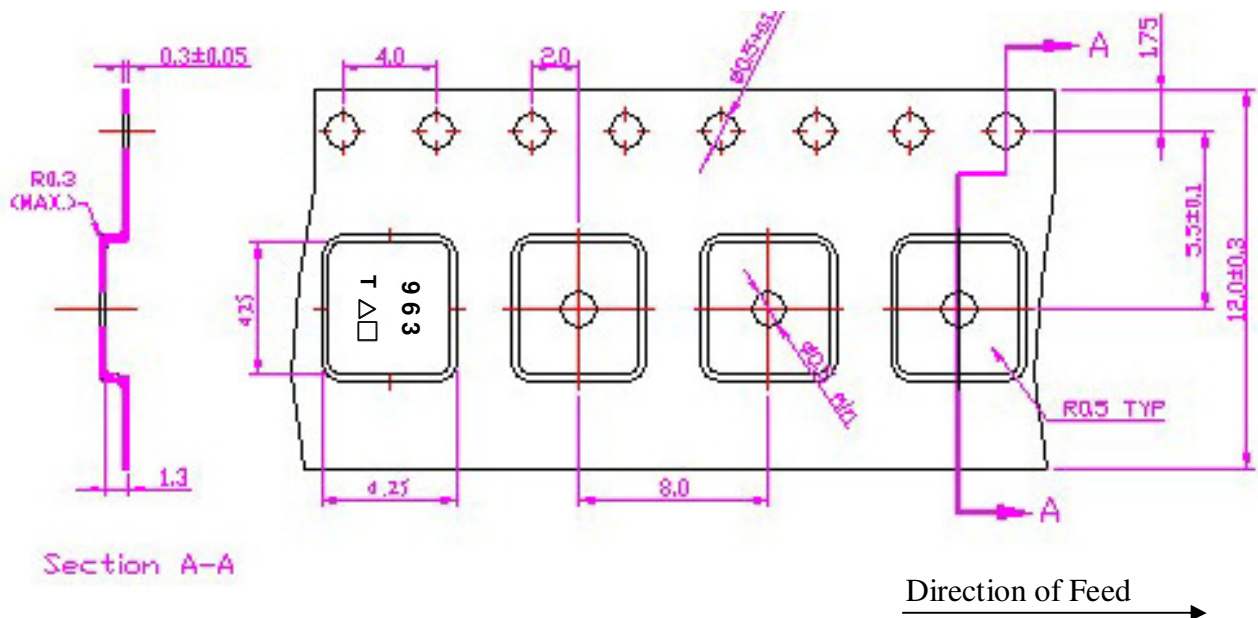
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

1. Preheating shall be fixed at 150~180°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.

