



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: SAW Filter 2000MHz SMD 3.0x3.0mm

TST Parts No.:TA0751A

Customer Parts No.: _____

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Hayley Chou *Hayley Chou*

Approval by: _____ Andy Yu *Andy Yu*

Date: _____ 2020/01/08

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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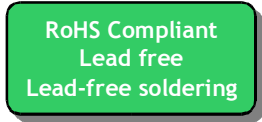
SAW Filter 2000MHz

MODEL NO.: TA0751A

REV. NO.:2.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 3 V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: Level 1 (MSL1)



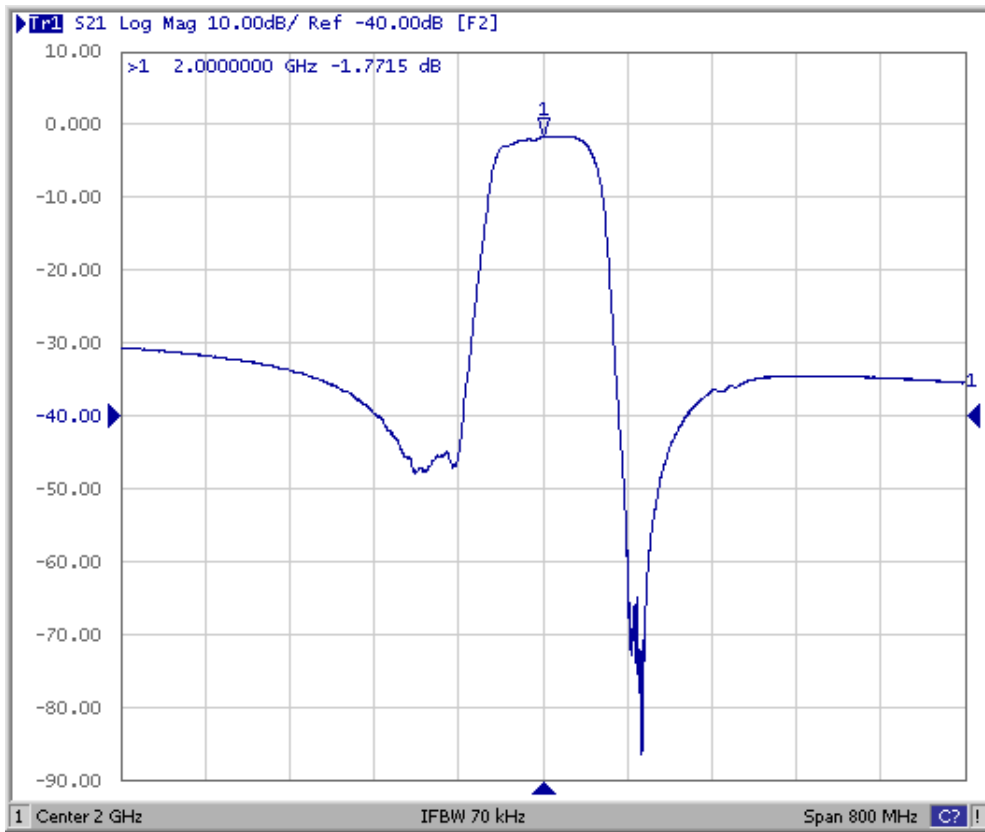
Electrostatic Sensitive Device

B. ELECTRICAL CHARACTERISTICS:

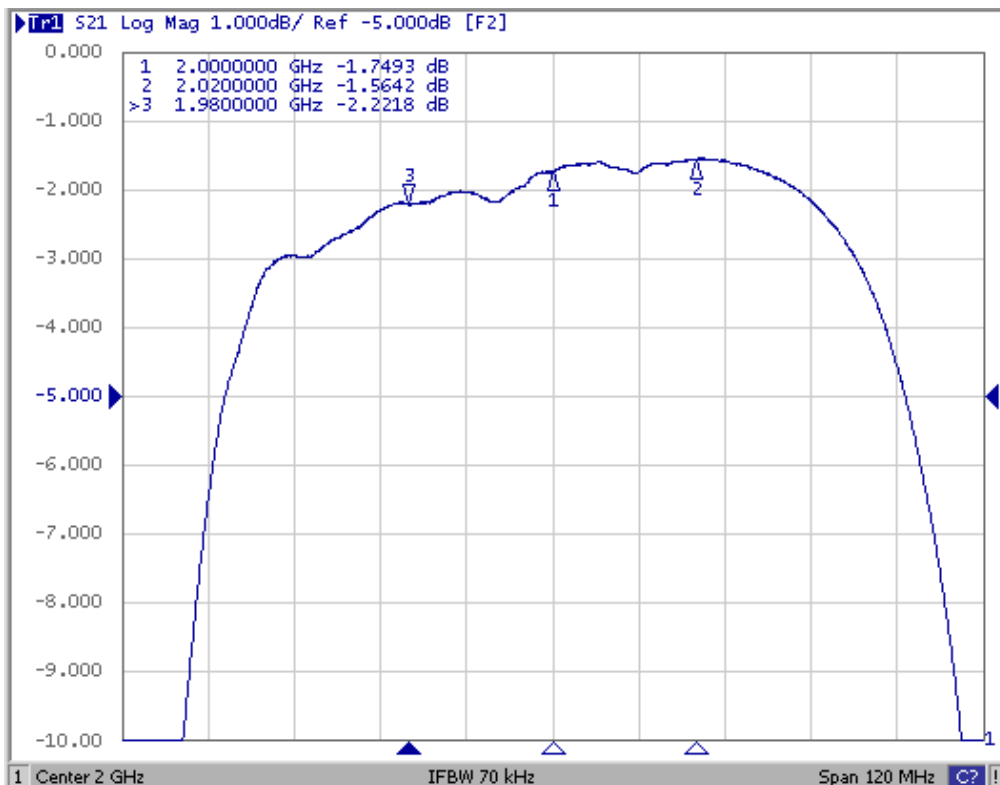
Item	Min.	Typ.	Max.
Center frequency F _c (MHz)	-	2000	-
Insertion loss within 1980 ~2020 MHz IL (dB)	-	2.4	4
Amplitude ripple (p-p) within 1980 ~ 2020 MHz (dB)	-	0.7	2.0
Attenuation (Reference level from 0 dB)			
D.C. ~ 500 MHz (dB)	20	32	-
500 ~ 1780 MHz (dB)	18	28	-
1780 ~ 1920 MHz (dB)	22	33	-
2100 ~ 2180 MHz (dB)	24	36	-
2180 ~ 4000 MHz (dB)	22	34	-
VSWR within 1980 ~2020 MHz	-	1.7	2.5
Source impedance Z _s (Ω)	-	50	-
Load impedance Z _L (Ω)	-	50	-

C. Frequency Characteristics:

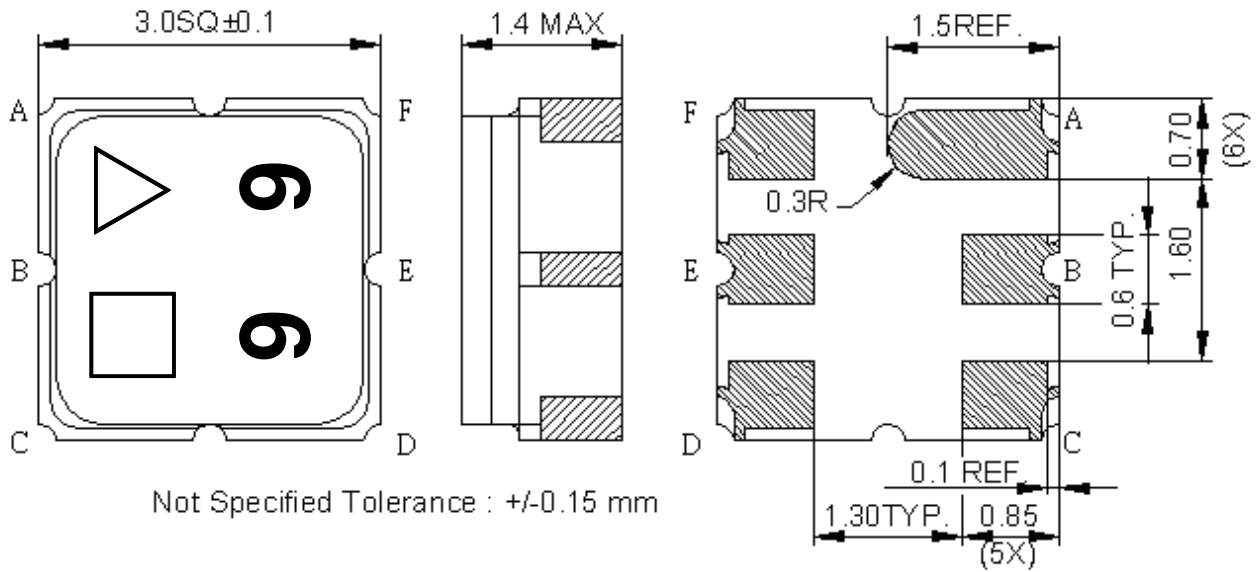
(1) wide band Response: (span 800MHz)



(2) Pass band Response: (span 120MHz)



D.OUTLINE DRAWING:



Not Specified Tolerance : +/-0.15 mm

#B : Input

#E : Output

#A、C、D、F : Ground

△ : Year code(2017→7, 2018→8, ……., 2029→9)

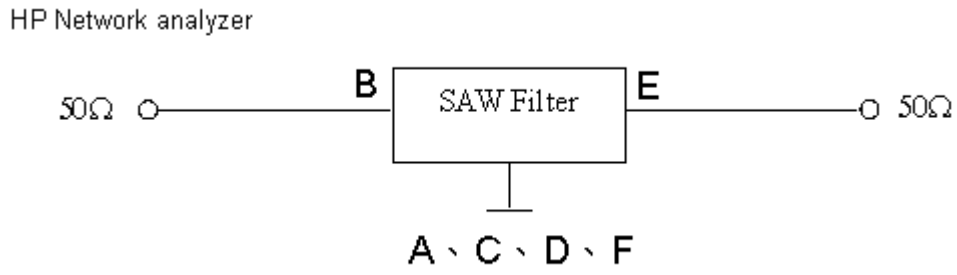
□ : Date code(Follow the table from planner each year)

Unit : mm

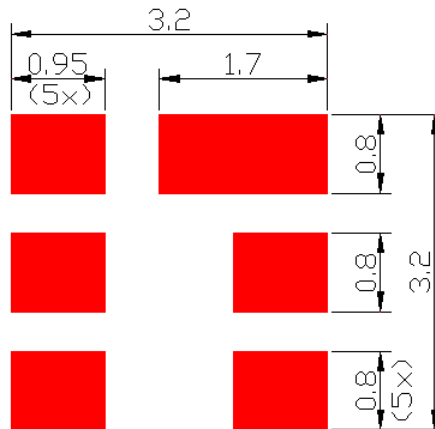
Week Code Table

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:

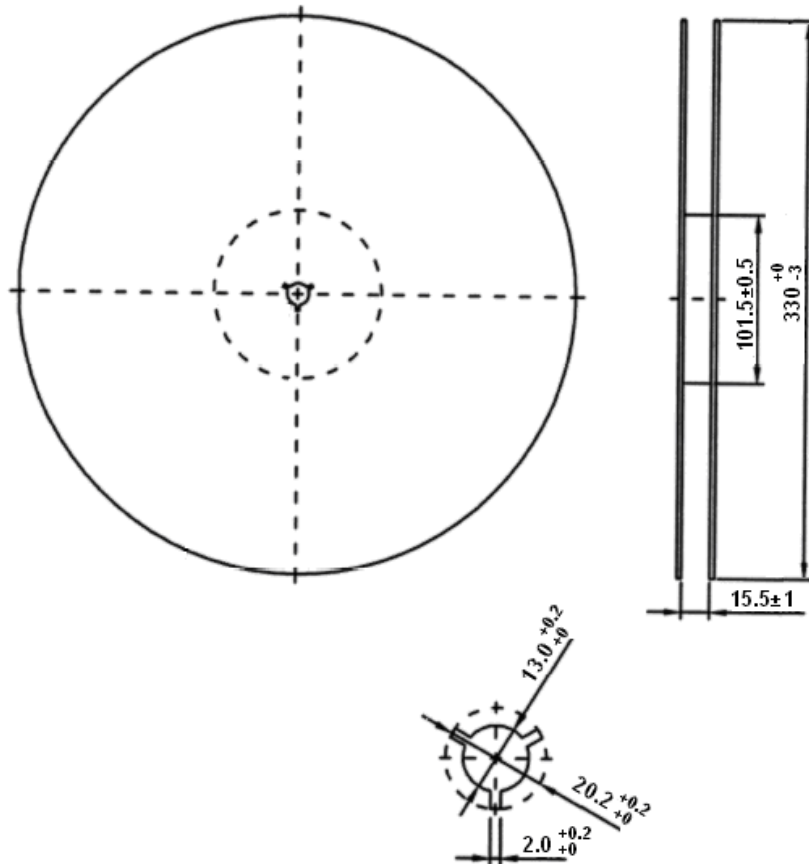


F. PCB FOOTPRINT:

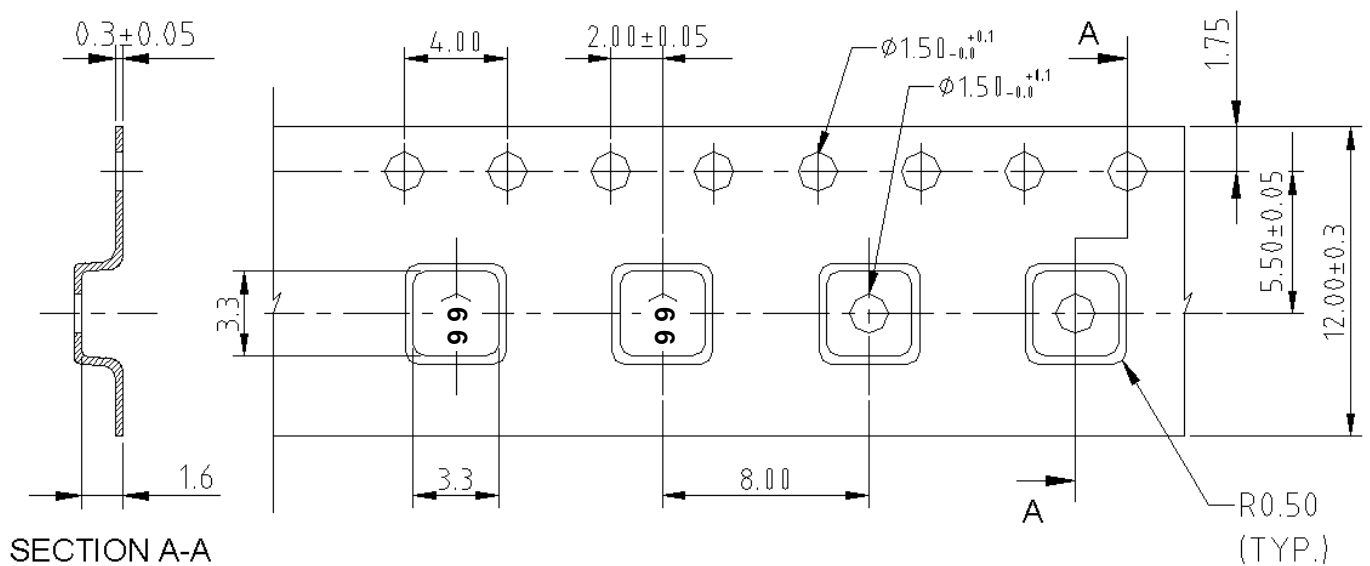


G. PACKING:

1. REEL DIMENSION: (Please refer to FR-75D10 for packing quantity)



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE:

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

