

TAI-SAW TECHNOLOGY CO., LTD. No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,

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 Name: SAW Filter 2000 MHz SMD 3.0x3.0 mm (BW=40 MHz)

TST Parts No.:TA0751B

Customer Parts No.:

	Customer signature req	uired	
	Company:		
	Division:		
	Approved by :		
	Date:		
Checked by:		Hayley Chou	Hayley Chou
Approved by:		Andy Yu	Andy In
Da	ite:	2018/05/08	

- 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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TST DCC Release document FR-71S03-02



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SAW Filter 2000 MHz

MODEL NO.: TA0751B

A. MAXIMUM RATING:

- 1. Input Power Level: 10 dBm
- 2. DC Voltage : 3 V
- 3. Operating Temperature: -40 $^{\circ}$ C to +85 $^{\circ}$ C (1)
- 4. Storage Temperature: -40 ℃ to +85 ℃
- 5. Moisture Sensitive Level: Level 1 (MSL1)

B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance: Zs=50 Ω

Terminating load impedance: $Z_{L}=50 \Omega$

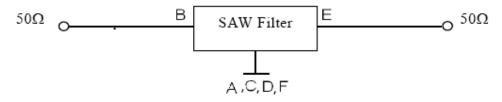
Parameters Description	Unit	Min.	Туре.	Max.		
Center Frequency	MHz	-	2000	-		
Max. Insertion Loss (1980~2020 MHz)	dB	-	2.4	4.0		
Amplitude Ripple (1980~2020 MHz)	dBp-p	-	0.7	2.0		
VSWR (1980~2020 MHz)	-	-	1.7	2.5		
Attenuation (Reference level from 0 dB)						
DC ~ 500 MHz		dB	20	32	-	
500 ~ 1780 MHz		dB	18	28	-	
1780 ~ 1920 MHz		dB	22	33		
2100 ~ 2180 MHz		dB	24	36	-	
2180 ~ 4000 MHz		dB	22	34	-	

Notes: (1) In production, devices will be tested at room temperature to a guard banded specification to ensure electrical compliance over temperature.

(2) Typical values are based on average measurements at room temperature.

C. MEASUREMENT CIRCUIT:

HP Network analyzer





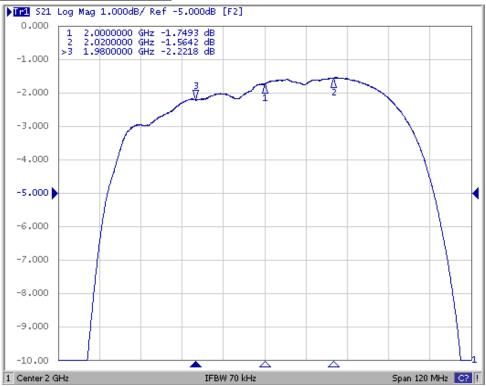
REV. 1.0

Electrostatic Sensitive Device (ESD)

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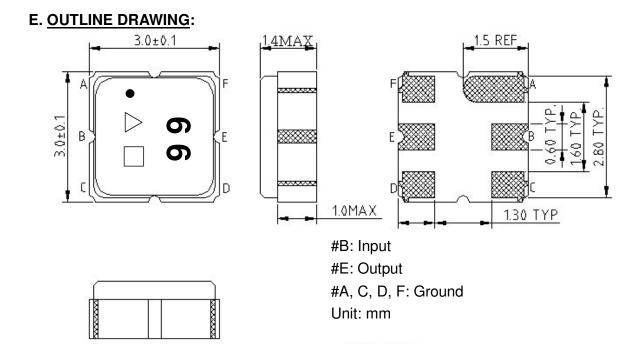
TST DCC Release document 2

D. FREQUENCY CHARATERISTIC:





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∴ Year code (2017→7, 2018→8,2022→2)

: Date code (Fallow the table from planner each year)

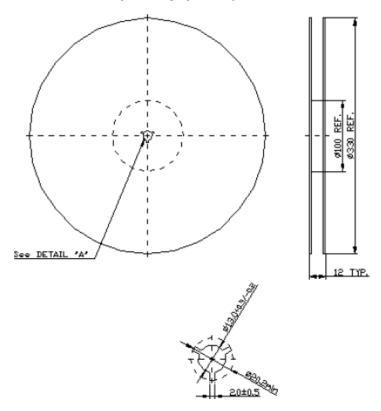
Date Code Table:

WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	В	С	D	E	F	G	Н		J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	0	Ρ	Q	R	S	Т	U	V	W	Х	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
а	b	С	d	e	f	g	h	i	j	k	1	m
WK40	WK41	WK42	WK43	WK44	WK45	WK46	WK47	WK48	WK49	WK50	WK51	WK52
n	0	р	q	r	S	t	ü	V	W	Х	У	Z

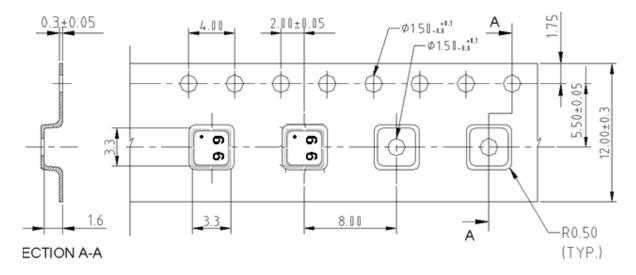
F. PACKING: (Ref: WI-75M03)

1. REEL DIMENSION

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



2. TAPE DIMENSION



Direction of Feed

G. Recommended Reflow Profile:

1. Preheating shall be fixed at 150~180 $^\circ\!C$ for 60~90 seconds.

2. Ascending time to preheating temperature 150 $^\circ\!\mathrm{C}$ shall be 30 seconds min.

3. Heating shall be fixed at 220 $^\circ\!\mathrm{C}$ for 50~80 seconds and at 260 $^\circ\!\mathrm{C}$ +0/-5 $^\circ\!\mathrm{C}$ peak (20~40sec).

4. Time: 2 times.

