



# 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](mailto:tstsales@mail.taisaw.com) Web: [www.taisaw.com](http://www.taisaw.com)

## Product Specifications Approval Sheet

Product Description: 1975MHz (BW270MHz) Dielectric Band Pass Filter

Size 27x12mm

TST Parts No.: TR0015A

Customer Parts No.: \_\_\_\_\_

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

Checked by: \_\_\_\_\_ Hong Pu Lin *Hong Pu Lin*

Approval by: \_\_\_\_\_ Andy Yu *Andy Yu*

Date: \_\_\_\_\_ 2020/11/12

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.



# TAI-SAW TECHNOLOGY CO., LTD.

No.3, Industrial 2nd Rd., Ping-Chen Industrial District, Taoyuan, Taiwan, R.O.C.

TEL: 886-3-4690038 FAX: 886-3-4697532

E-mail: [tstsales3@mail.taisaw.com](mailto:tstsales3@mail.taisaw.com) Web: [www.taisaw.com](http://www.taisaw.com)

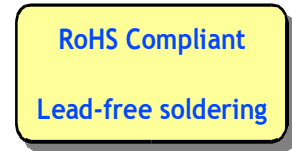
Dielectric Band Pass Filter 1975MHz (270MHz BW)

MODEL NO.: TR0015A

REV. NO.2.0

## A. MAXIMUM RATING:

1. Operating temperature range: -40°C to 85°C
2. Storage temperature range: -40°C to 85°C
3. Input Power Level : 2W
4. Moisture Sensitivity Level: Level 3(MSL3)

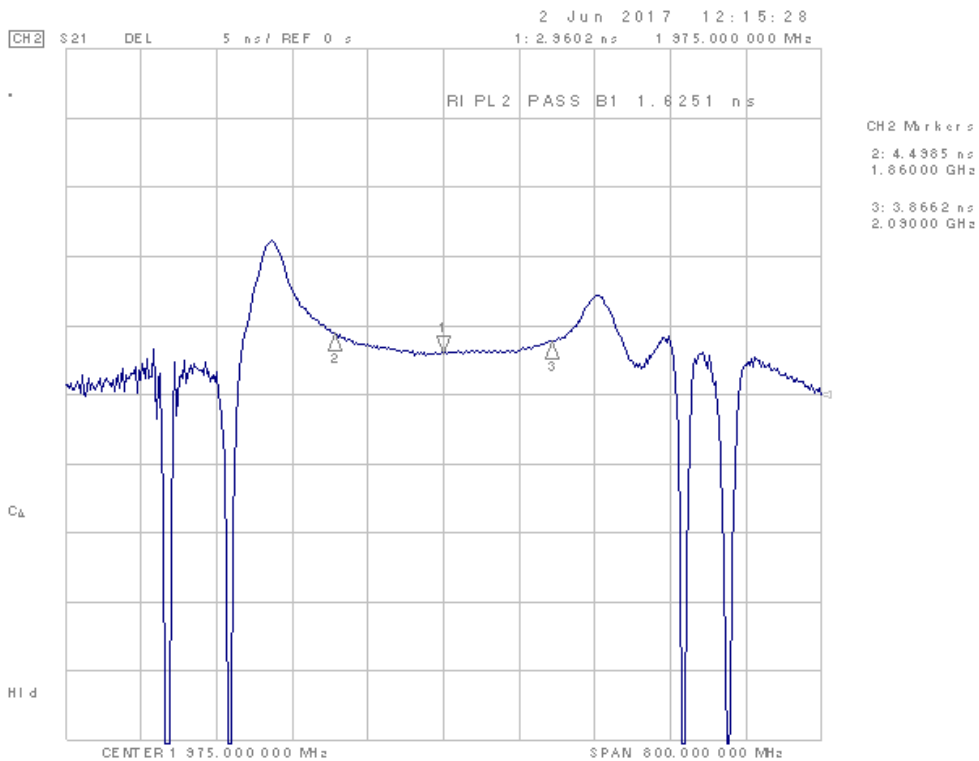
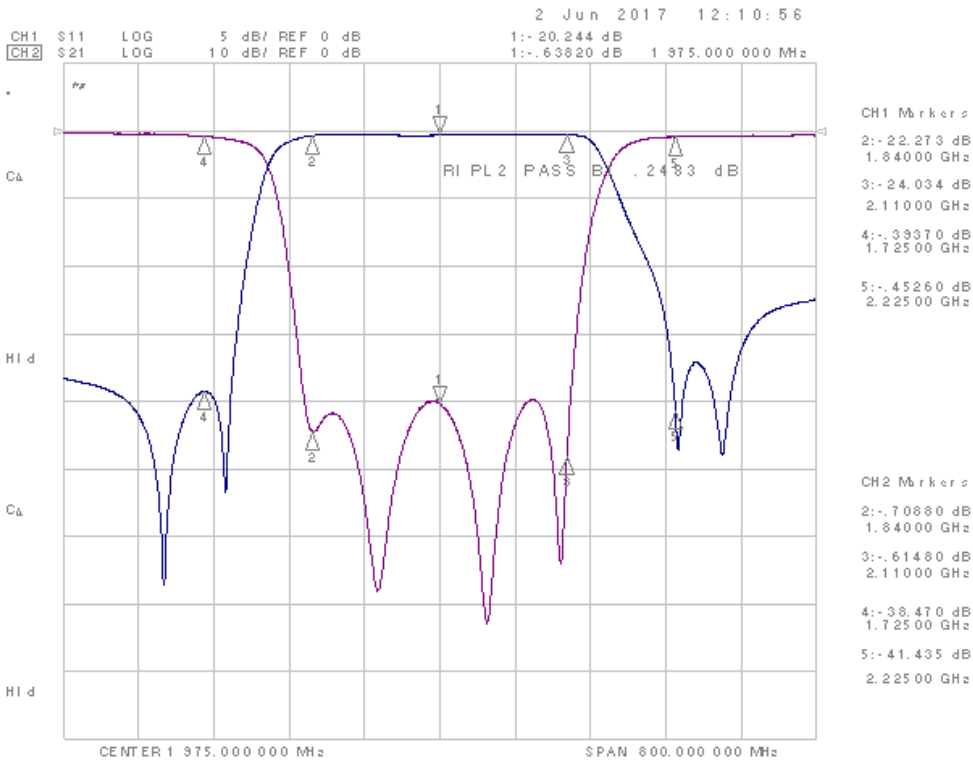


Electrostatic Sensitive Device

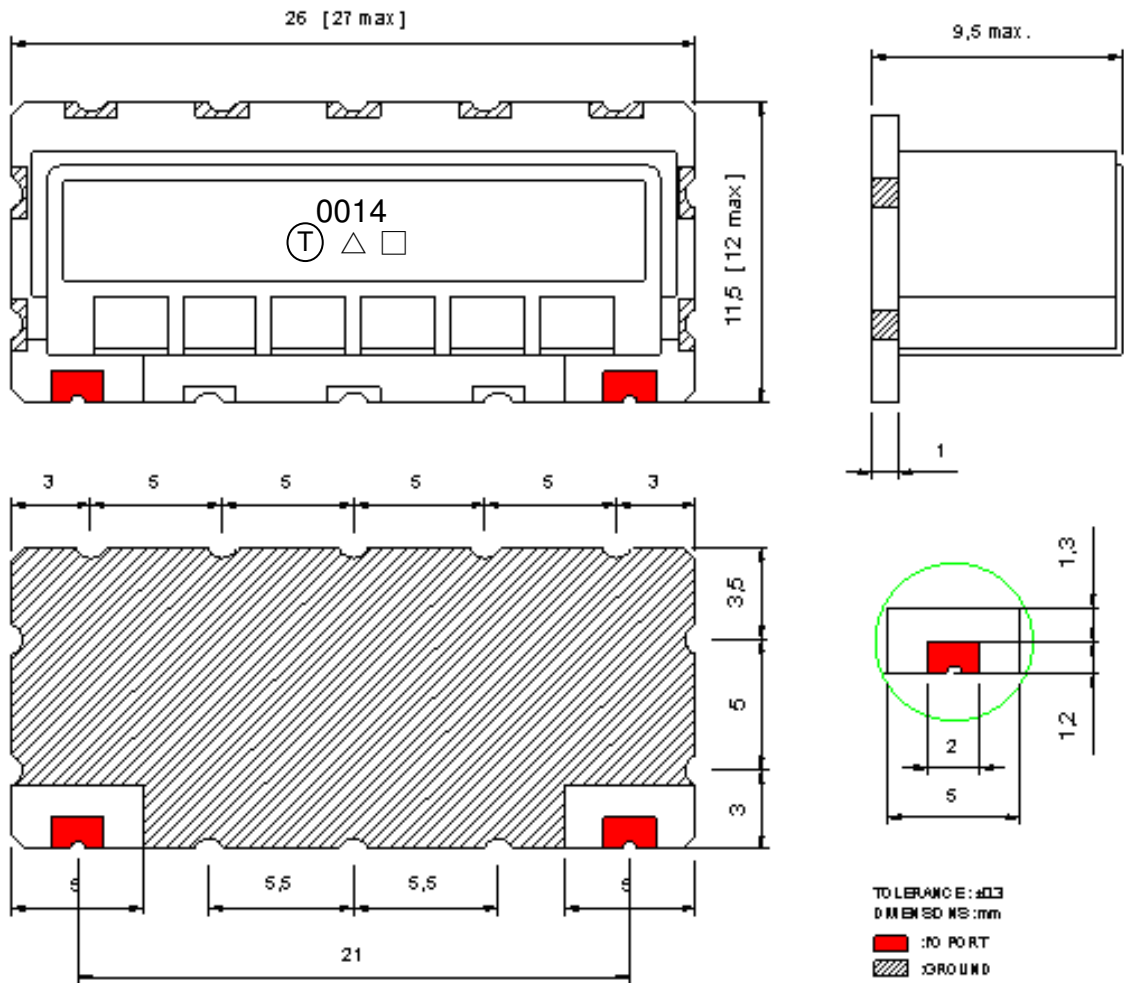
## B. CHARACTERISTICS:

ELECTRICAL CHARACTERISTICS			
Item	Unit	Specifications	Remark
Center Frequency (Fo)	MHz	1975	
Band Width (BW)	MHz	1840 ~ 2110 MHz (270MHz)	
Insertion Loss @ BW	dB	1.0 dB max.	
Ripple @ BW	dB	0.5 dB max	
Return Loss @ BW(S11)	dB	15 min	
Group Delay Variation	ns	3.5 nS max. @ 1860 ~ 2090 MHz	
Attenuation [Absolute Value]	dB	35 dB min. @ 1725 MHz	
		35 dB min. @ 2225 MHz	
Impedance (Zo)	Ω	50	
Input Power	W	2.0 max.	
Operating Temperature	°C	-40 to +85	

### C. FREQUENCY CHARACTERISTICS:



**D. OUTLINE DRAWING:**



□ : Week Code

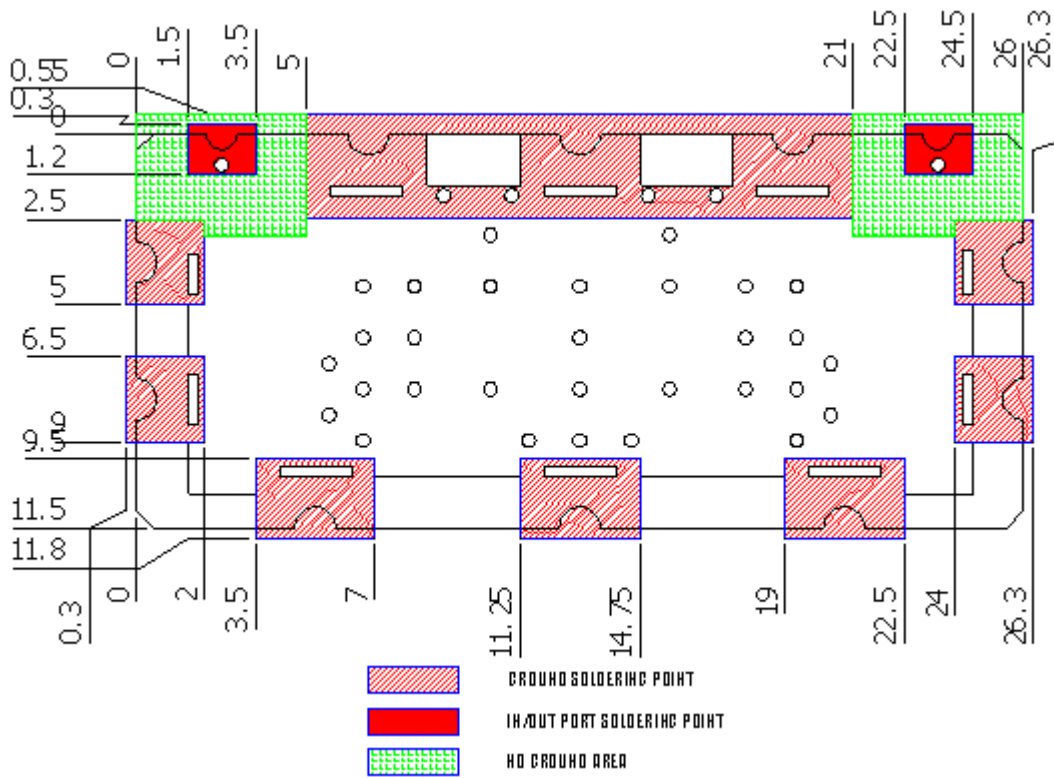
△ : Product / Year Code

Year	2013 2017	2014 2018	2015 2019	2016 2020
Product Code	L	I	⏟	⏟

**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

**D. FOOT PRINTING:**



**E. RECOMMENDED REFLOW PROFILE:**

