



# 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)

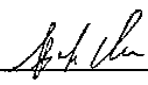
## Product Specifications Approval Sheet

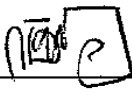
Product Description: SAW Filter 1575.42 MHz SMD 1.4X1.1 mm (BW=2MHz)

TST Part No.: TA0757B

Customer Part No.: \_\_\_\_\_

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

Checked by: \_\_\_\_\_ Bob Chau 

Approved by: \_\_\_\_\_ Francis Chen 

Date: \_\_\_\_\_ 11, 6, 2009

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, 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)

## SAW Filter 1575.42MHz

MODEL NO.:TA0757B

REV. NO.:3

### A. MAXIMUM RATING:

1. Input Power Level: 15 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant  
Lead free  
Lead-free soldering

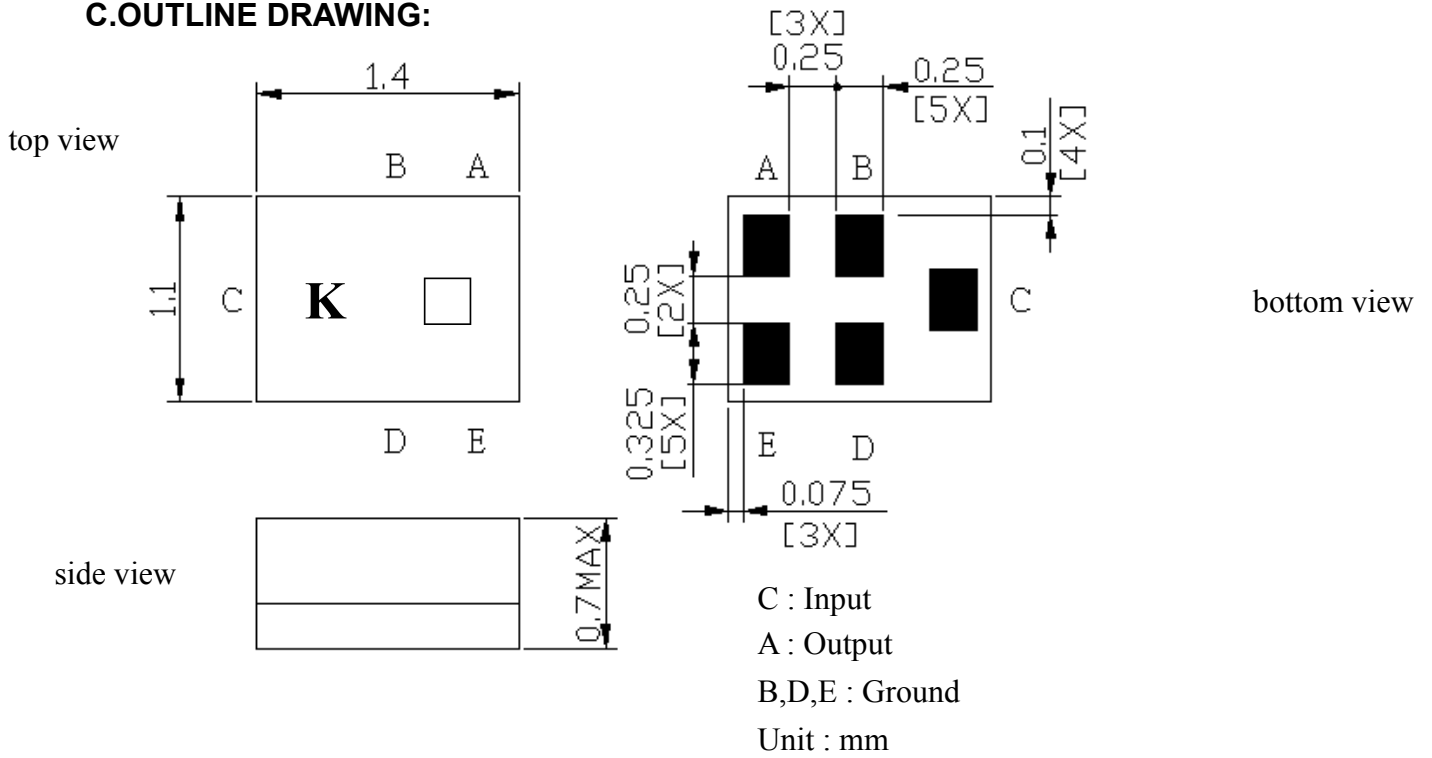
### B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance :  $Z_s = 50 \Omega$

Terminating load impedance :  $Z_L = 50 \Omega$

Item	Unit	Min.	Type.	Max.	Note
<b>Center Frequency</b>	<b>Fc</b> MHz	-	1575.42	-	-
<b>Max. Insertion Loss (1574.42~1576.42 MHz)</b>	<b>IL</b> dB	-	1	1.5	-
<b>Amplitude ripple (1574.42~1576.42 MHz)</b>	dB	-	0.1	0.75	-
<b>Bandwidth @ -2dB</b>	MHz	-	40	-	-
<b>VSWR (1574.42~1576.42 MHz)</b>		-	1.25	1.6	-
<b>Attenuation</b>					
D.C~1450 MHz	dB	33	35	-	-
1450~1520 MHz	dB	30	42	-	-
1625~1640 MHz	dB	35	38	-	-
1640~1805 MHz	dB	34	36	-	-
1805~1910 MHz	dB	34	37	-	-
1910~2000 MHz	dB	34	38	-	-
2000~4000 MHz	dB	30	32	-	-
4000~6000 MHz	dB	20	23	-	-

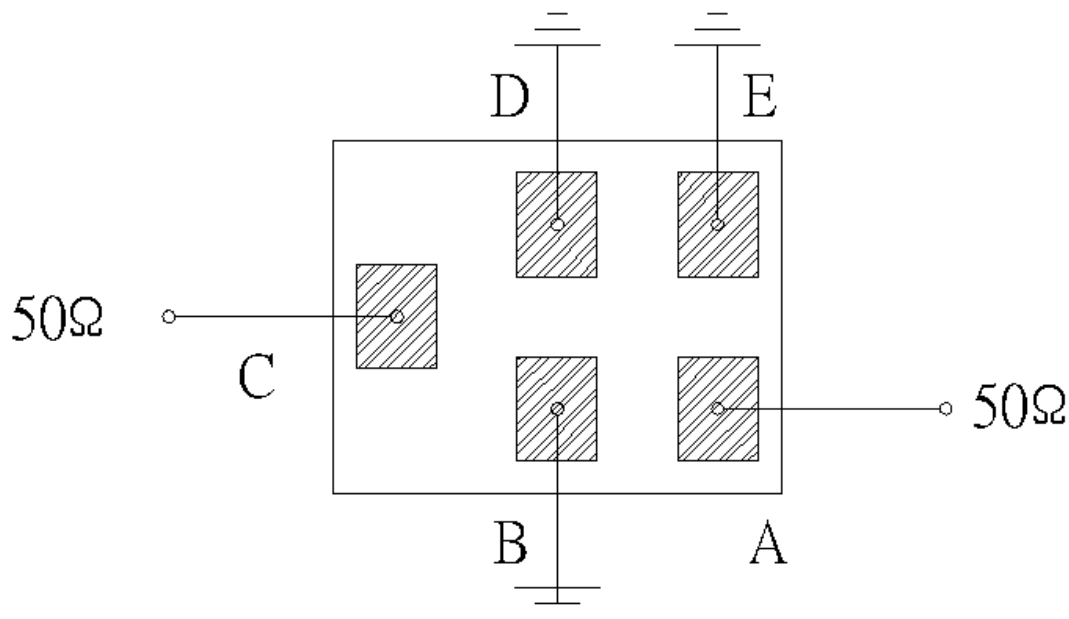
**C.OUTLINE DRAWING:**



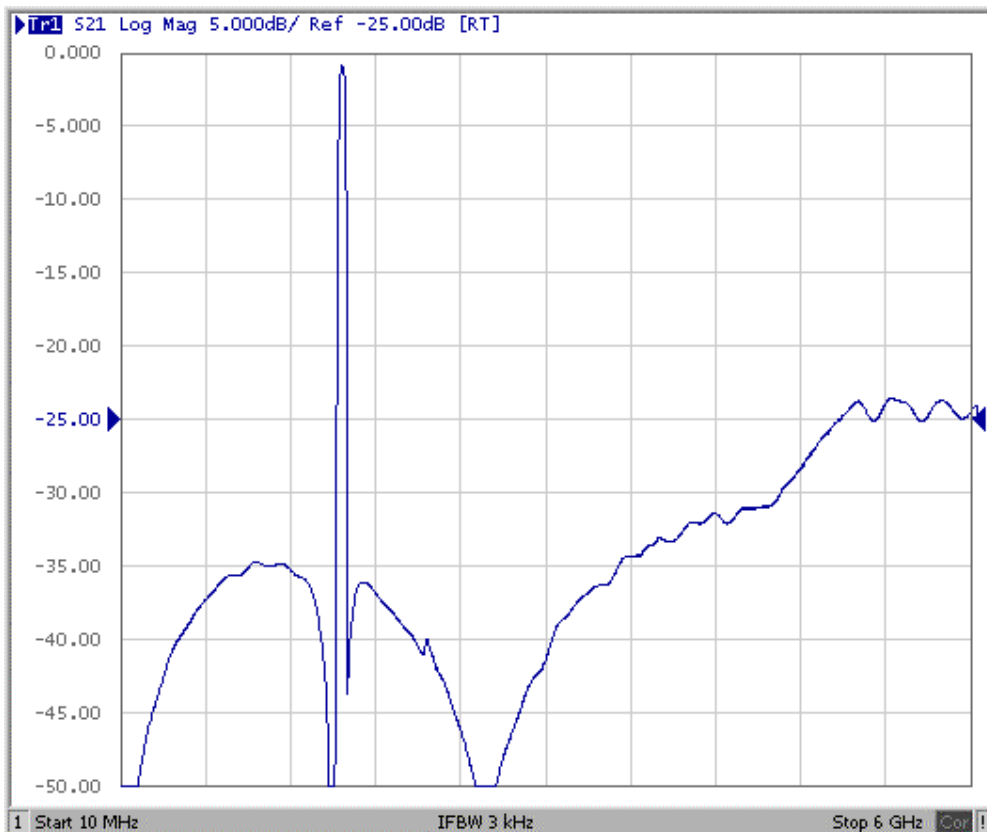
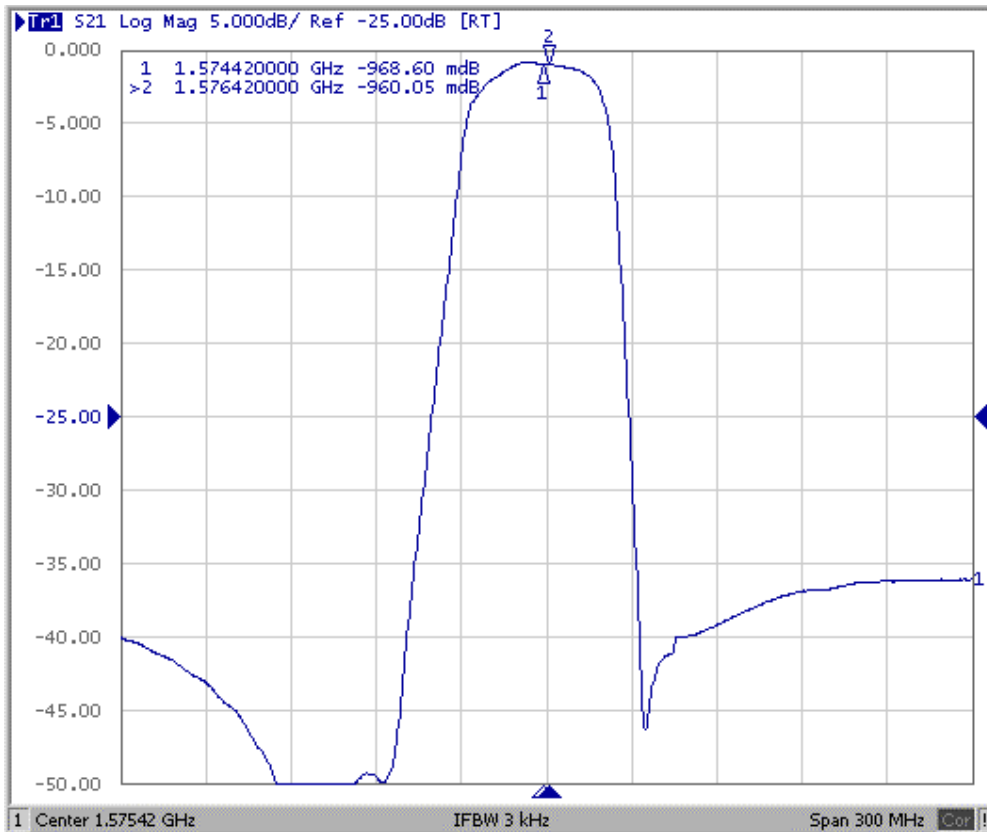
□ : Year/Month Code (Follow the table)

Year/Month	1	2	3	4	5	6	7	8	9	10	11	12
2005	A	B	C	D	E	F	G	H	J	K	L	M
2006	N	P	Q	R	S	T	U	V	W	X	Y	Z
2007	a	b	c	d	e	f	g	h	j	k	l	m
2008	n	p	q	r	s	t	u	v	w	x	y	z
2009	A	B	C	D	E	F	G	H	J	K	L	M
2010	N	P	Q	R	S	T	U	V	W	X	Y	Z

**D. MEASUREMENT CIRCUIT:**

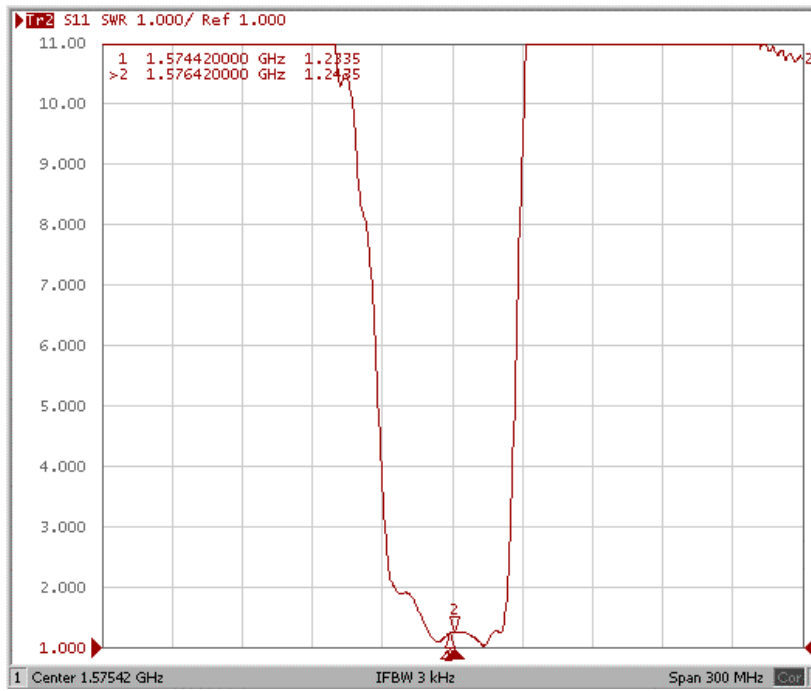


## E. Frequency Characteristics :

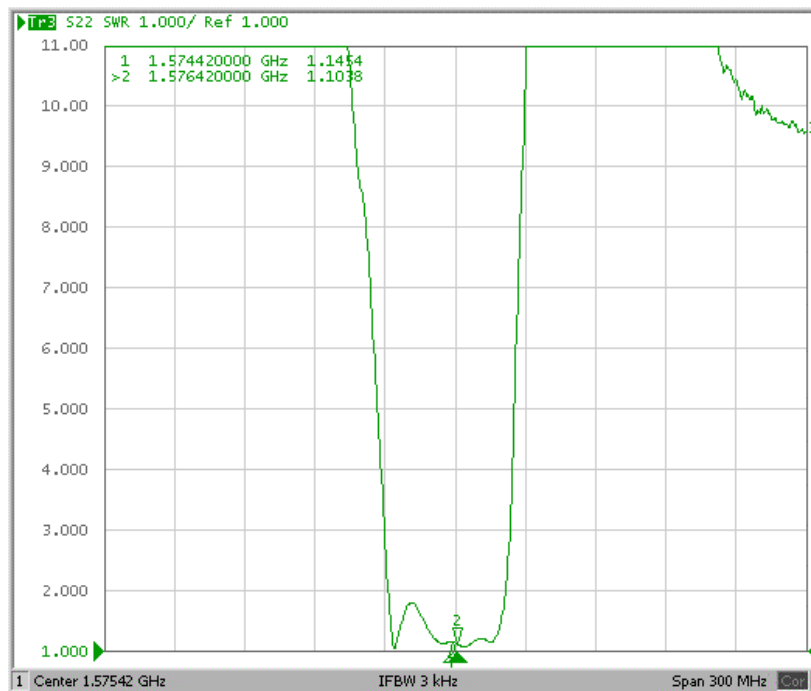


# Reflection Functions :

## S11



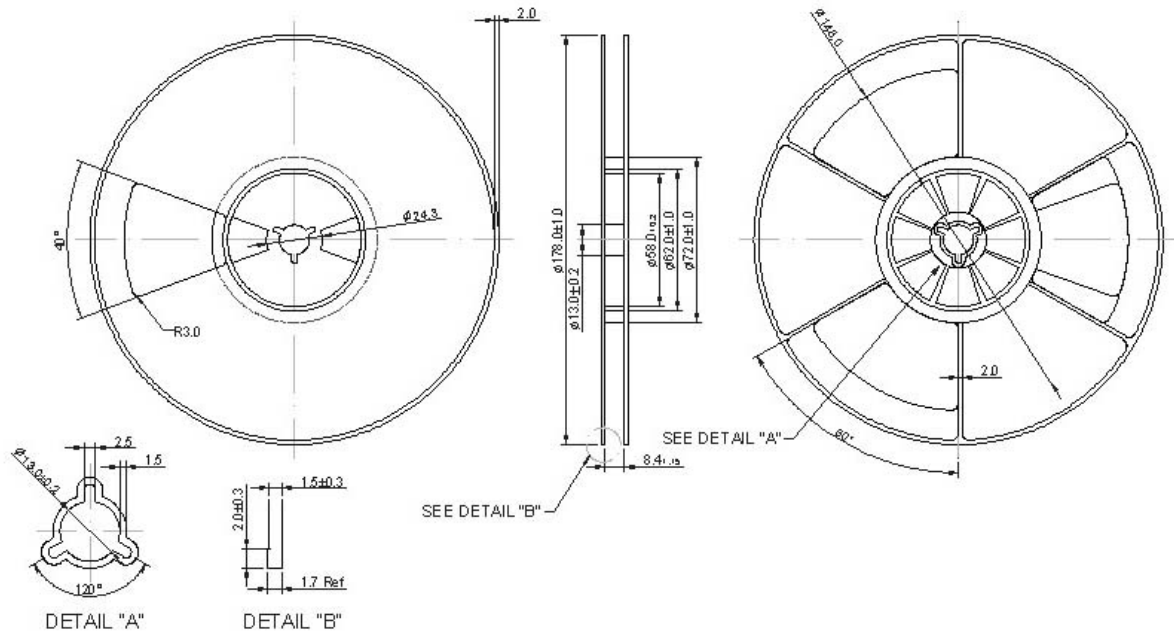
## S22



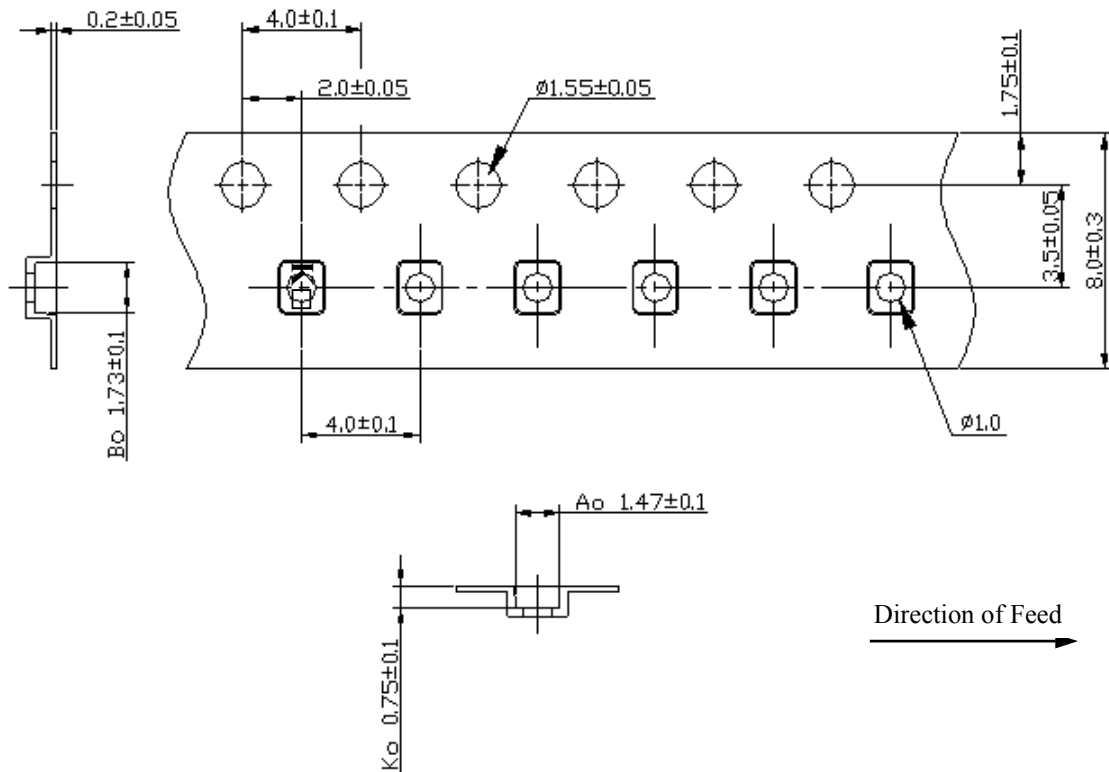
**F. PACKING:**

**1. REEL DIMENSION**

(Reel Count : 7"=2000 )



**2. TAPE DIMENSION**



**F. RECOMMENDED REFLOW PROFILE :**

