



# 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

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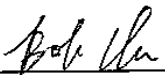
## Product Specifications Approval Sheet


Product Description: SAW Filter 2017.5 MHz SMD 2.0X1.4 mm

TST Part No.: TA1129A

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

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

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

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

Date: \_\_\_\_\_ 10, 29, 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.



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## SAW Filter 2017.5MHz

MODEL NO.:TA1129A

REV. NO.:1

### A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -25°C to +85°C
4. Storage Temperature: -40°C to +95°C

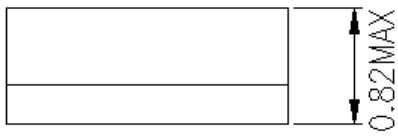
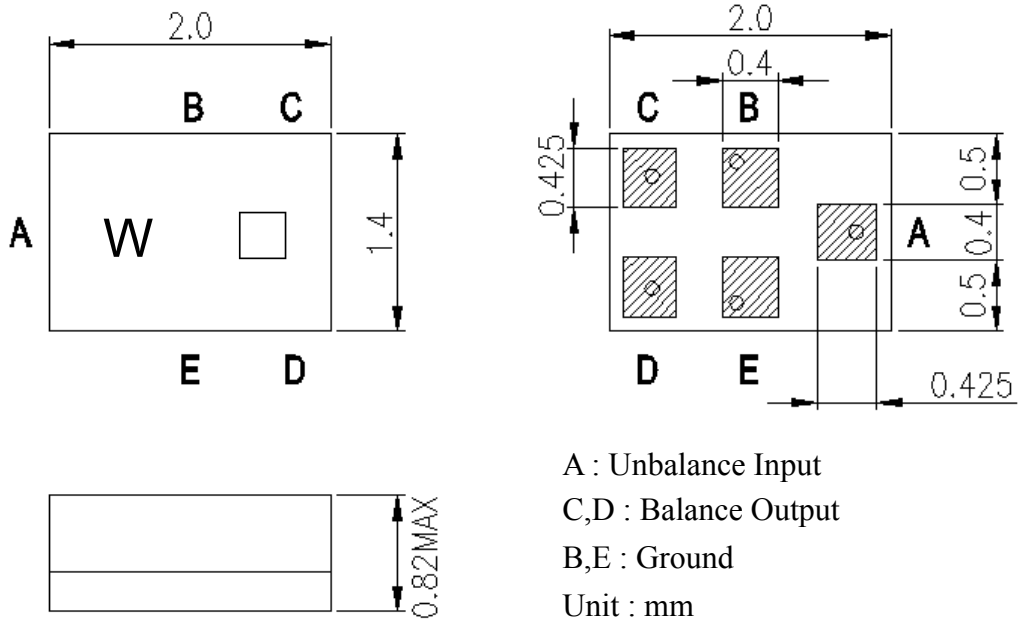
### B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance (single-ended) :  $Z_s = 50 \Omega$

Terminating load impedance (differential) :  $Z_L = 200 \Omega // 15nH$

Item	Unit	Min.	Type.	Max.	Note
<b>Center Frequency</b>	<b>Fc</b> MHz	-	2017.5	-	-
<b>Insertion Loss (2010~2025 MHz)</b>	<b>IL</b> dB	-	2	2.7	-
<b>Amplitude ripple (2010~2025 MHz)</b>	dB	-	0.4	1.4	-
<b>Group Delay ripple (2010~2025 MHz)</b>	ns	-	3	12	-
<b>Output amplitude balance ( S<sub>31</sub>/S<sub>21</sub> ) (2010~2025 MHz)</b>	dB	-4	-1.6	4	-
<b>Output phase balance (<math>\Phi(S_{31}) - \Phi(S_{21}) + 180^\circ</math>) (2010~2025 MHz)</b>	deg	-12	-5	12	-
<b>VSWR (2010~2025 MHz)</b>		-	2.1	2.5	-
<b>Attenuation</b>					
100~995 MHz	dB	32	56	-	-
995~1022 MHz	dB	35	55	-	-
1022~1925 MHz	dB	25	36	-	-
1925~1950 MHz	dB	22	35	-	-
2085~2110 MHz	dB	15	28	-	-
2430~2565 MHz	dB	35	60	-	-
2565~4010 MHz	dB	32	42	-	-
4010~4060 MHz	dB	40	55	-	-
4060~6000 MHz	dB	32	45	-	-

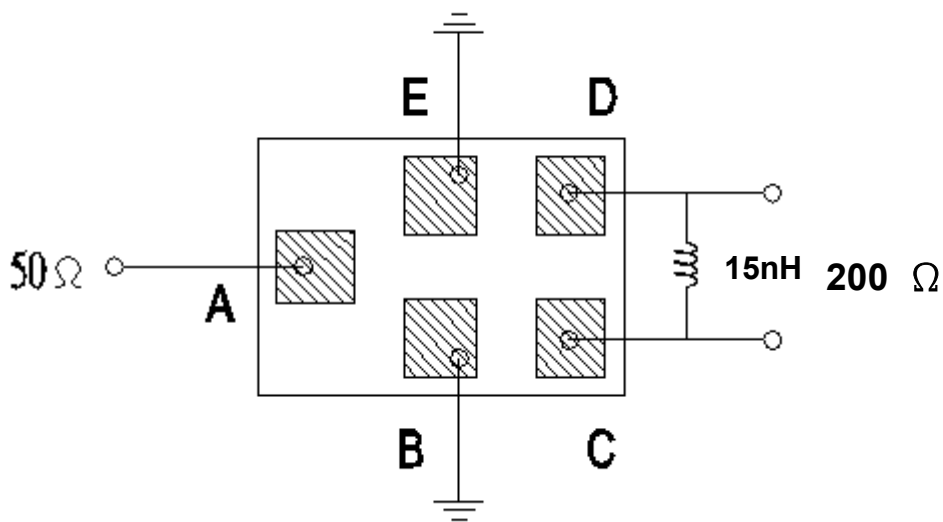
**C.OUTLINE DRAWING:**



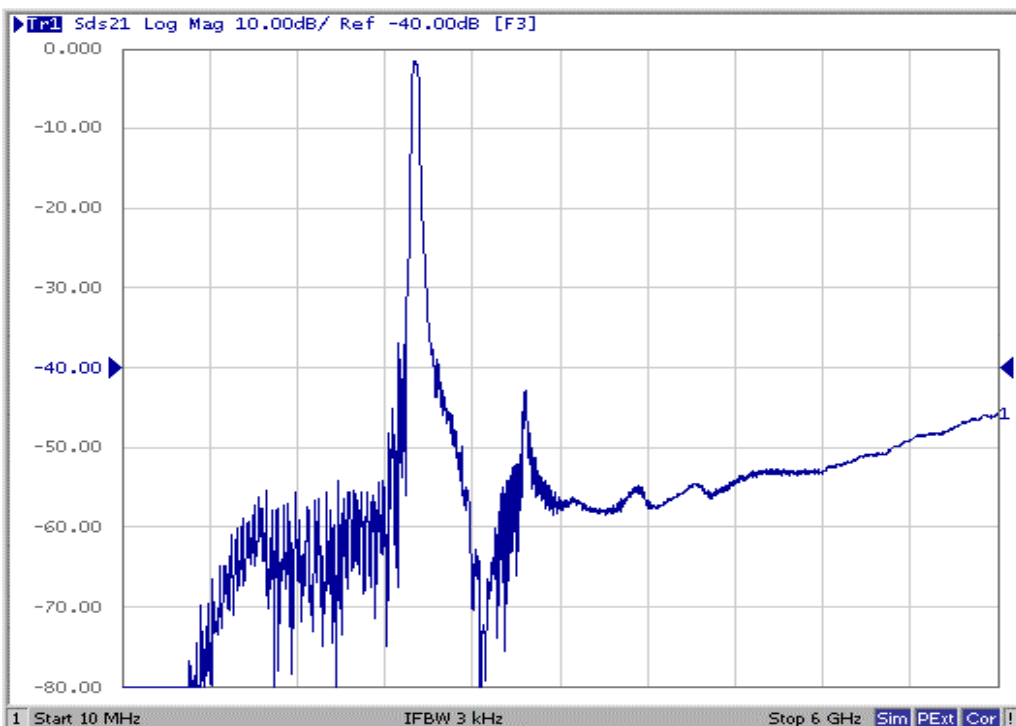
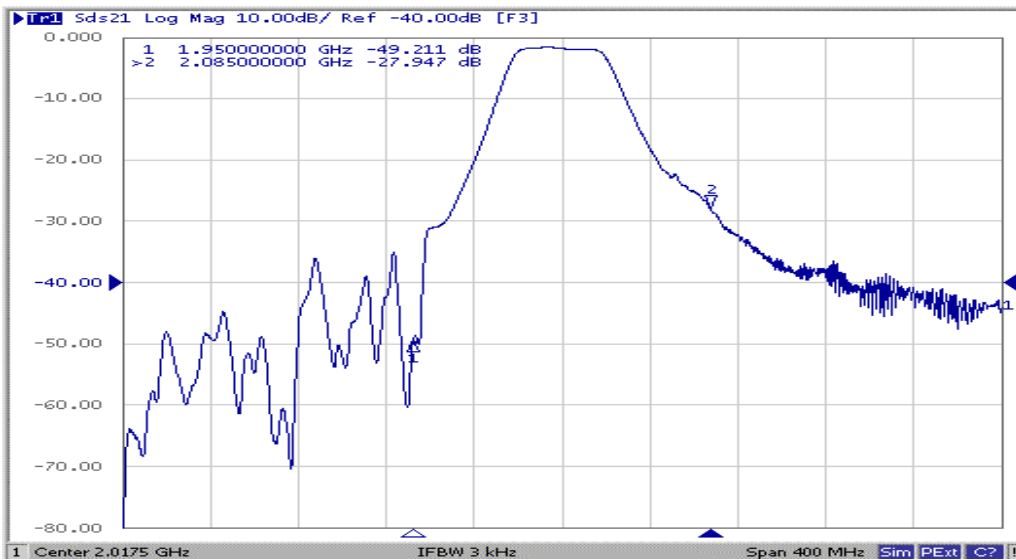
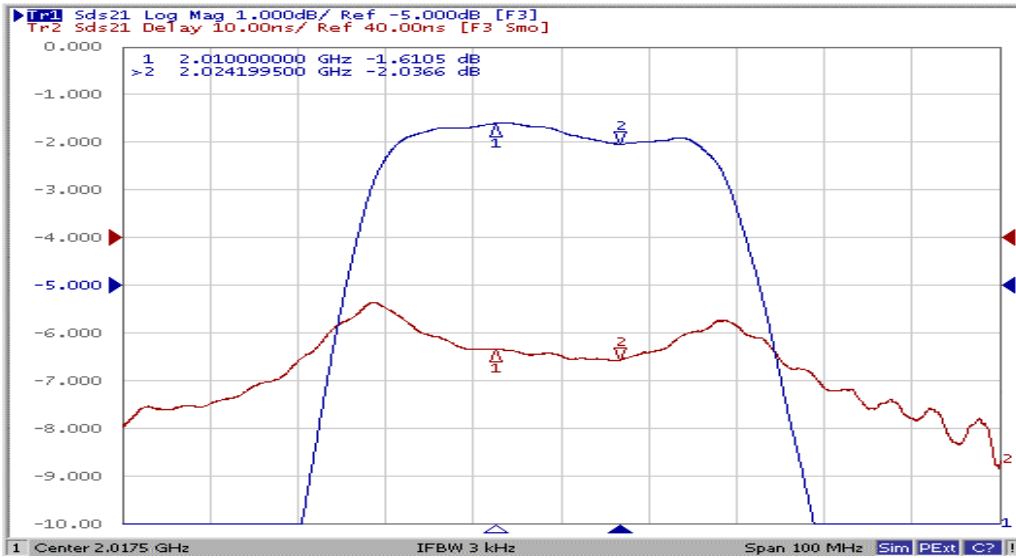
□ : Year/Month Code (Follow the table)

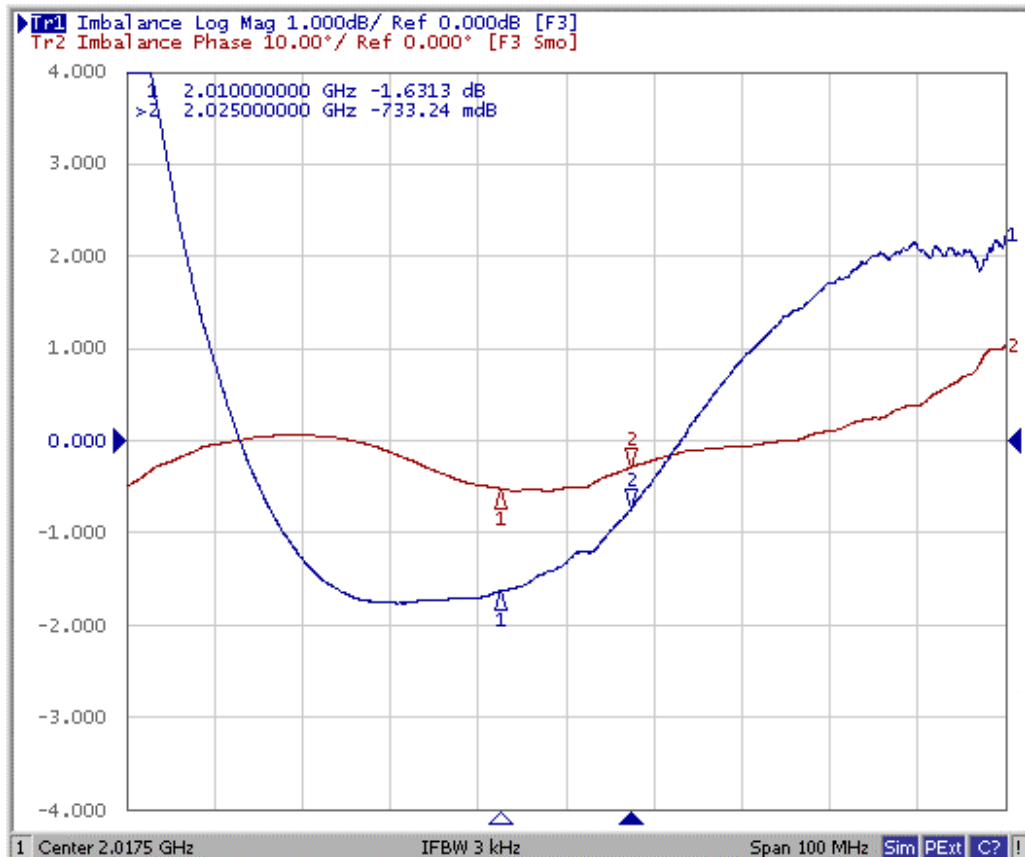
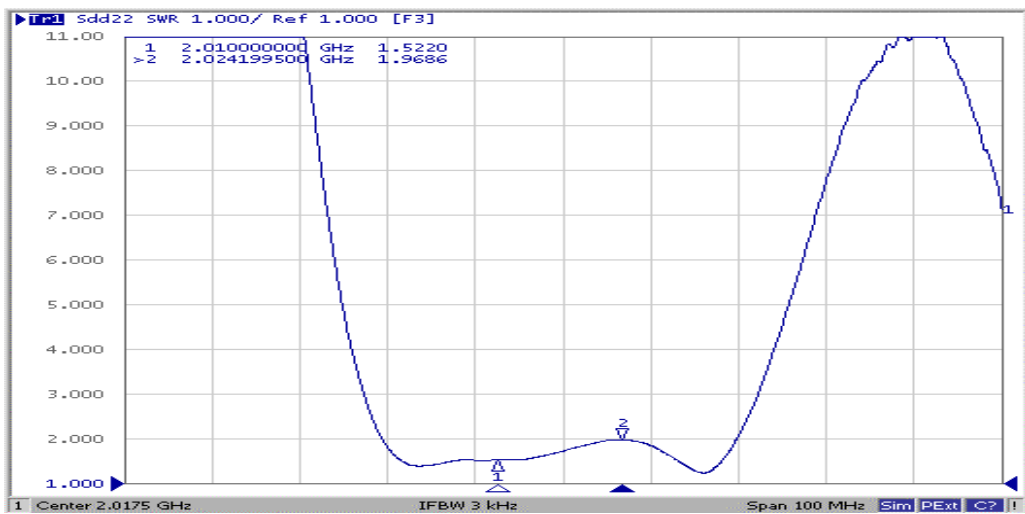
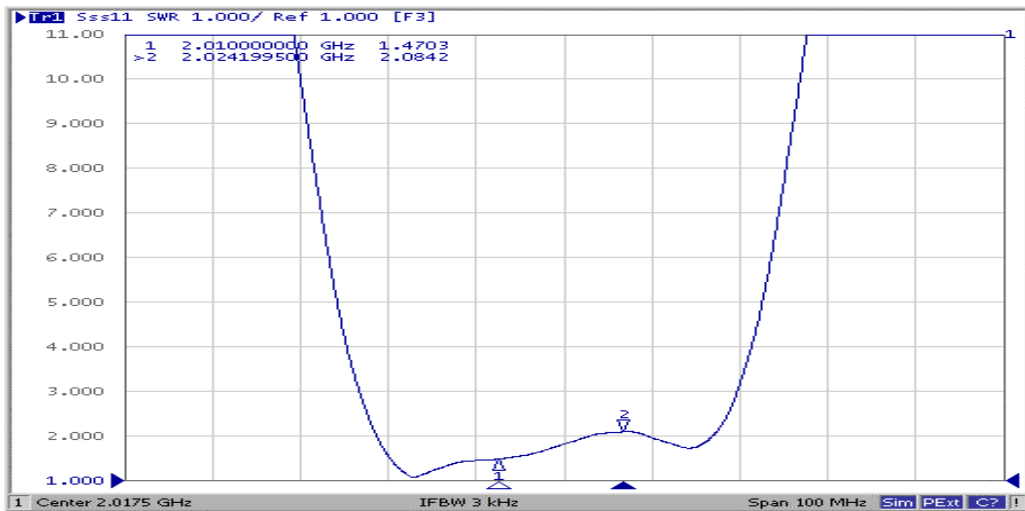
Year/Month	1	2	3	4	5	6	7	8	9	10	11	12
2005	A	B	C	D	E	F	G	H	J	K	L	M
2006	N	P	Q	R	S	T	U	V	W	X	Y	Z
2007	a	b	c	d	e	f	g	h	j	k	l	m
2008	n	p	q	r	s	t	u	v	w	x	y	z
2009	A	B	C	D	E	F	G	H	J	K	L	M
2010	N	P	Q	R	S	T	U	V	W	X	Y	Z

**D. MEASUREMENT CIRCUIT:**



## E. Frequency Characteristics :

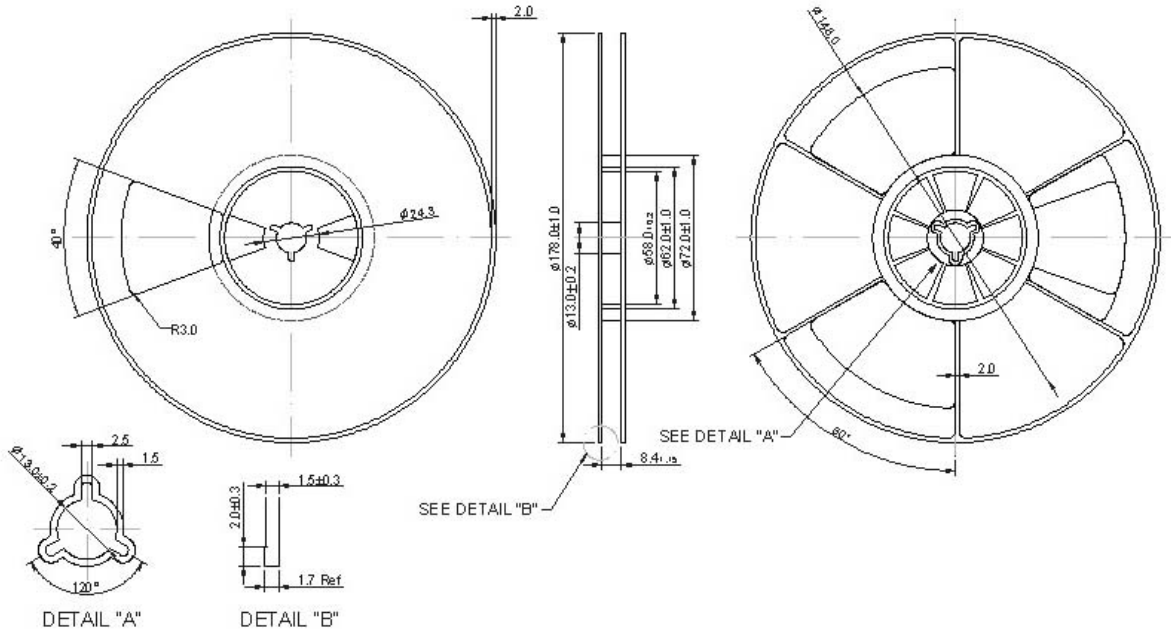




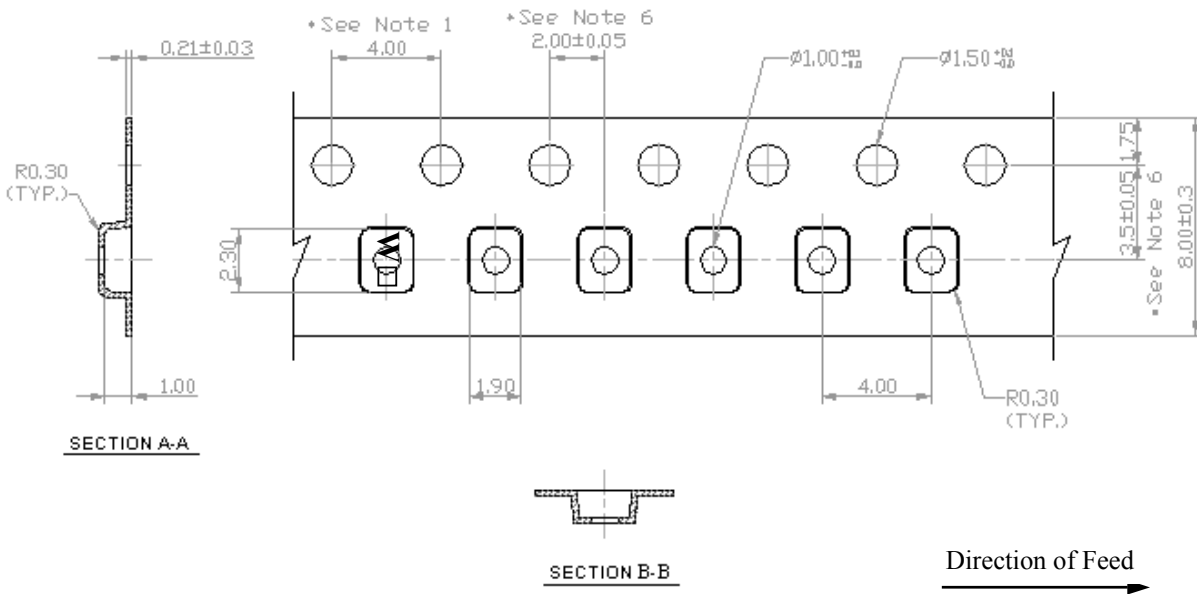
**F. PACKING:**

**1. REEL DIMENSION**

(Reel Count : 7''=2000 ; 13''=10000 )



**2. TAPE DIMENSION**



**G. RECOMMENDED REFLOW PROFILE :**

