



# TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,  
Taoyuan, 324, Taiwan, R.O.C.

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## Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 1228MHz SMD 3.0×3.0mm

TST Parts No.:TA0490A

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

Company:_____
Division:_____
Approved by :_____
Date:_____

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

Approval by:\_\_\_\_\_ Bob Chau

Date:\_\_\_\_\_ 2014/07/10



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## SAW Filter 1228 MHz

MODEL NO.: TA0490A

REV. NO.:2

### A. MAXIMUM RATING:

1. Input Power Level: 5 dB<sub>m</sub>
2. DC voltage: 3 V
3. Operating Temperature: -40°C to 85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant  
 Lead free  
 Lead-free soldering

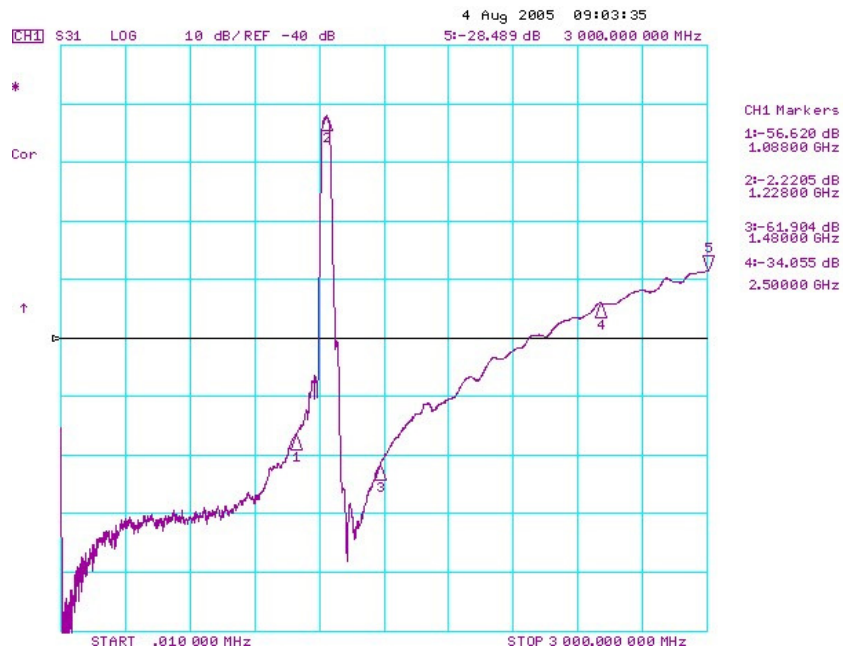
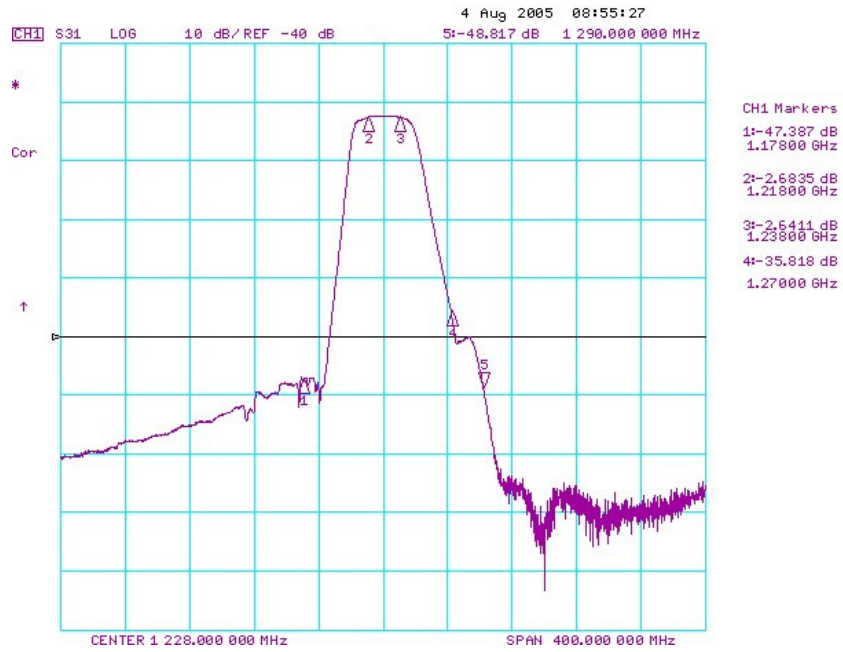
Electrostatic Sensitive Device (ESD)

### B. CHARACTERISTICS:

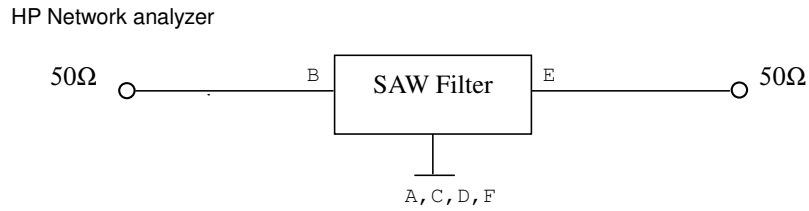
Item	Unit	Min.	Typ.	Max.
Center Frequency	MHz	-	1228	-
Insertion Loss 1218 ~ 1238 MHz	dB	-	2.7	3.9
Ripple 1218 ~ 1238 MHz	dB	-	0.4	1.8
Absolute Attenuation				
0 ~ 1088 MHz	dB	38	53	-
1088 ~ 1178 MHz	dB	32	46	-
1178 ~ 1188 MHz	dB	20	45	-
1270 ~ 1290 MHz	dB	15	35	-
1290 ~ 1378 MHz	dB	30	49	-
1378 ~ 1480 MHz	dB	35	55	-
1480 ~ 2500 MHz	dB	27	34	-
2500 ~ 3000 MHz	dB	18	28	-
Source Impedance	Ω	-	50	-
Load Impedance	Ω	-	50	-

Note1. No matching network required for operation at 50Ω

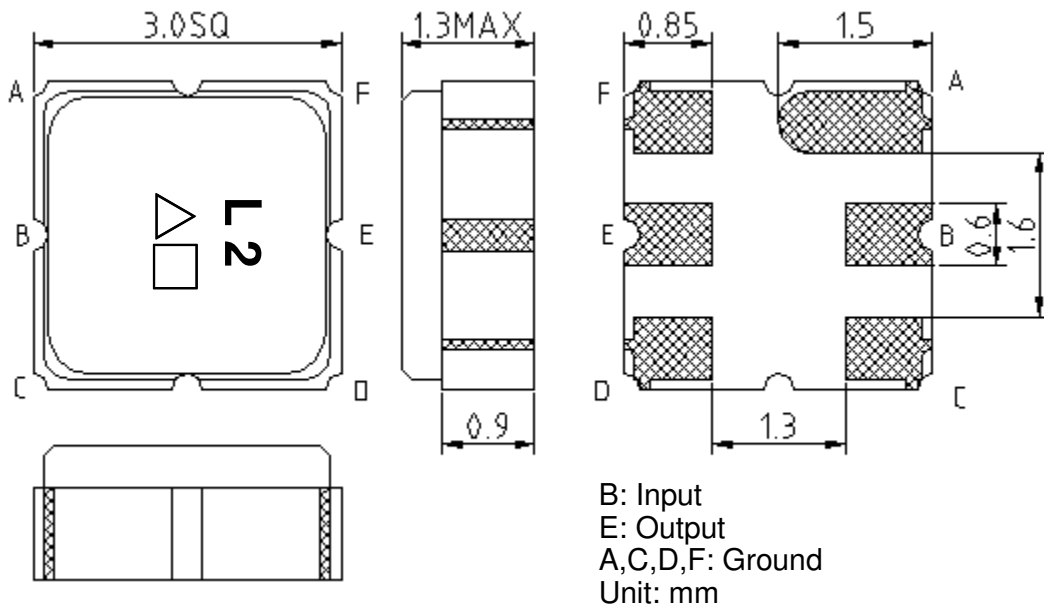
### C. Transfer Function :



### D. MEASUREMENT CIRCUIT:



### E. OUTLINE DRAWING:



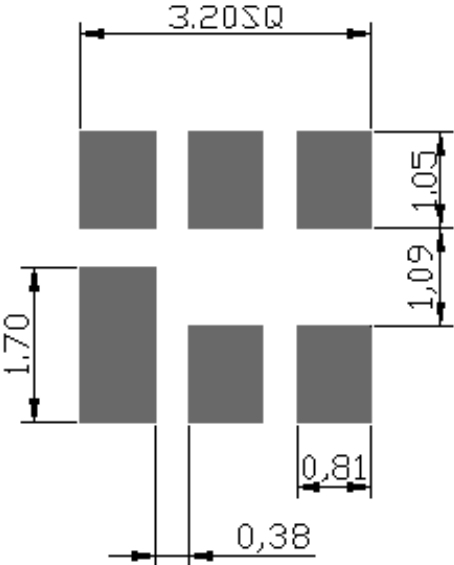
△ : Year Code (2009->9, 2010->0, ..., 2018->8)

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

Date 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

**F.PCB FOOTPRINT:**





## 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 245~260°C peak (min. 10sec).
4. Time : 2 times.

