



# TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,

Taoyuan, 324, Taiwan, R.O.C.

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## Product Specifications Approval Sheet

Product Name: SAW Filter 1200 MHz SMD 3.0x3.0 mm

TST Parts No.:TA0582A

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

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

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

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

Date: \_\_\_\_\_ 8, 21, 2018

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 1200MHz

MODEL NO.:TA0582A

REV. NO.:3

### A. MAXIMUM RATING:

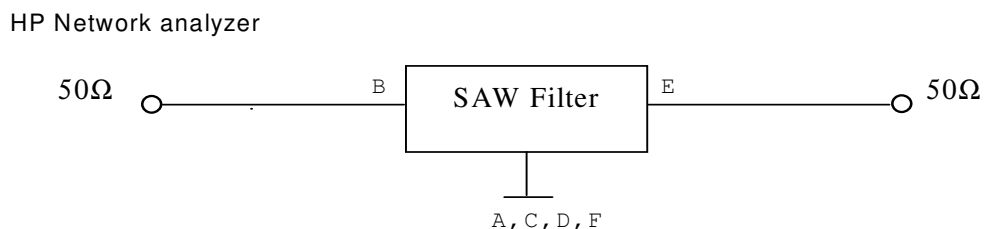
1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -55°C to +85°C
4. Storage Temperature: -55°C to +95°C
5. Moisture Sensitive Level (MSL): Level 1

RoHS Compliant  
Lead free  
Lead-free soldering

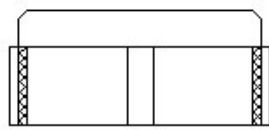
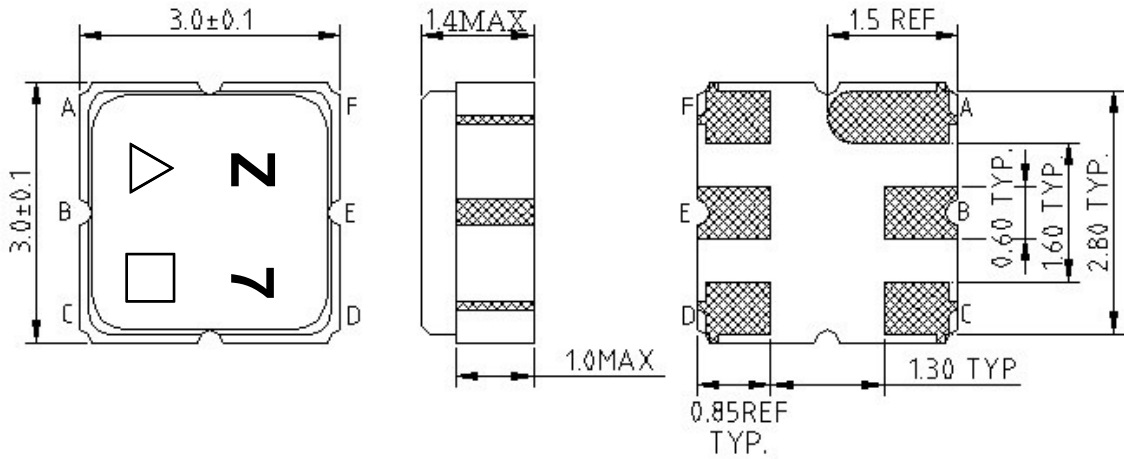
### B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center Frequency <b>Fc</b>	MHz	-	1200	-	-
Insertion Loss (1180 ~ 1220 MHz) <b>IL</b>	dB	-	2.8	4	-
2 dB bandwidth <b>BW<sub>2</sub></b>	MHz	38	52	-	-
<b>Relative Attenuation</b> (relative to 0 dB)					
<b>Fc-120</b> MHz	dB	35	60	-	-
1100 MHz	dB	45	60	-	-
1300 MHz	dB	40	48	-	-
<b>Fc+120</b> MHz	dB	35	52	-	-

### C. MEASUREMENT CIRCUIT:



**D.OUTLINE DRAWING:**



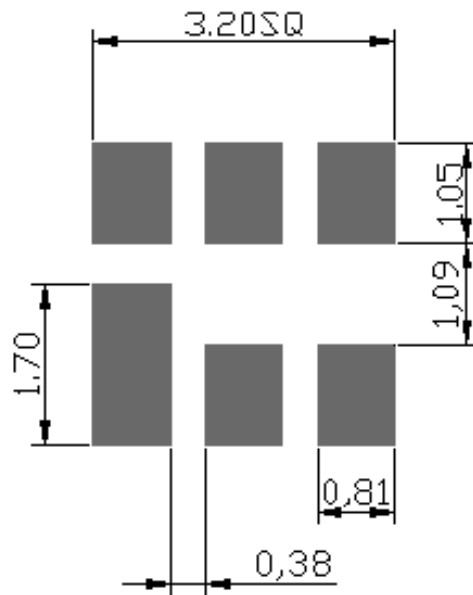
B INPUT  
 E OUTPUT  
 A,C,D,F GROUND  
 DIMENSION : mm

△ : Year Code (2011->1, ..., 2020->0)

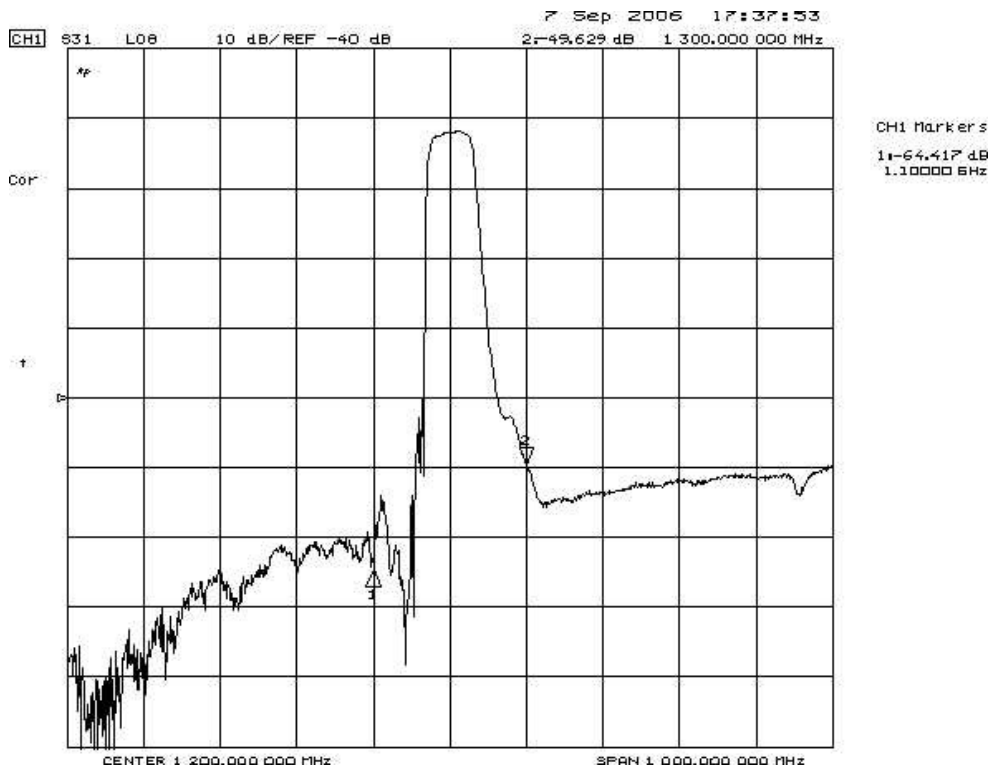
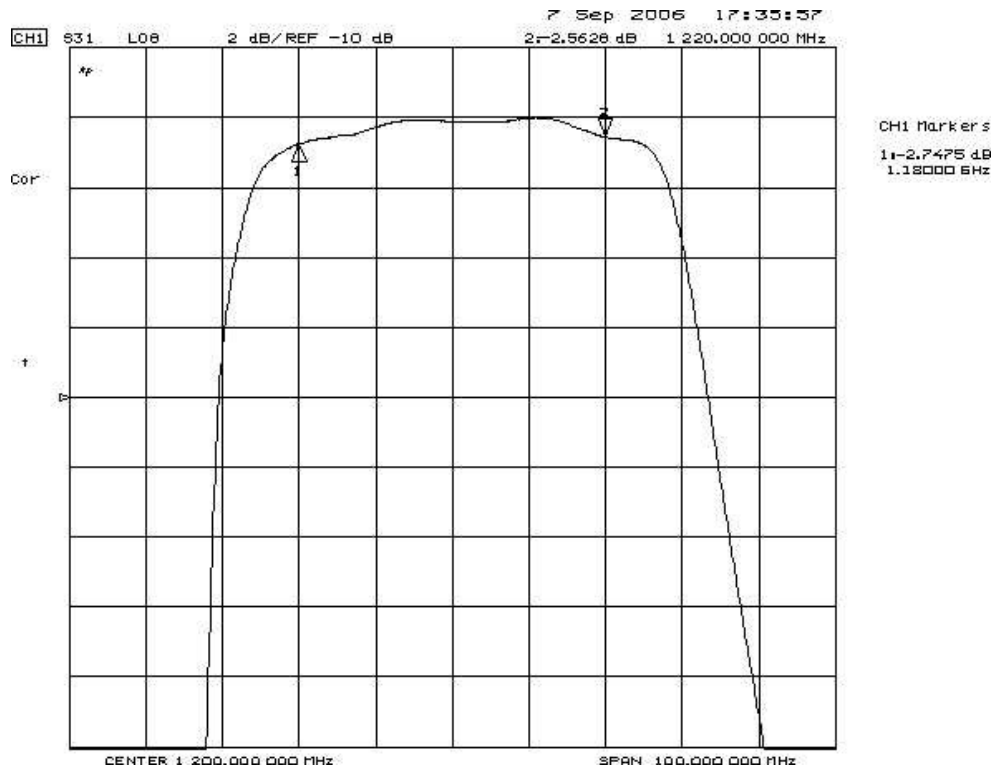
□ : Date Code (W01->A, ..., W26->Z, W27->a, ..., W52->z)

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

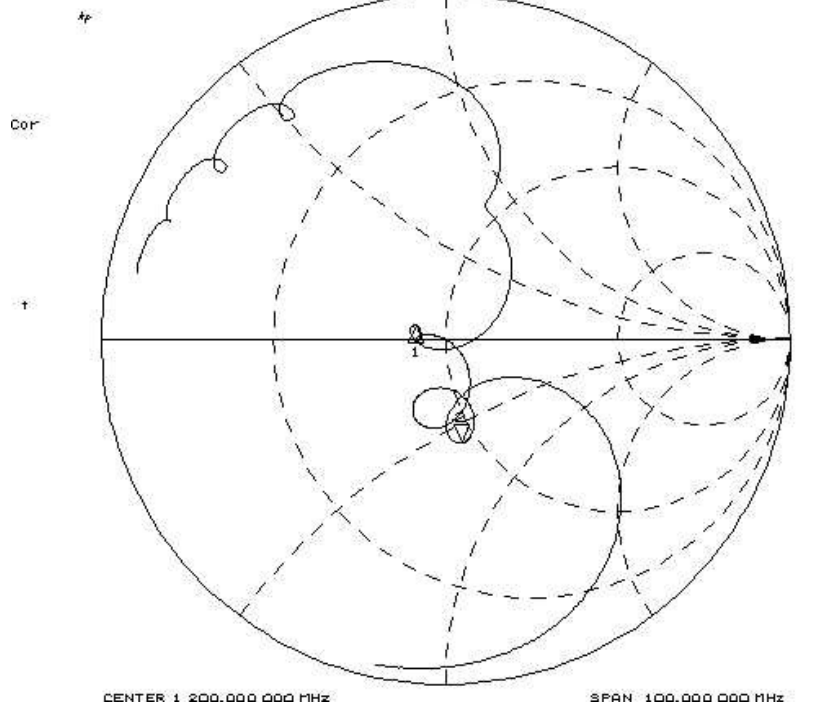
**E. PCB Footprint:**



## F. Frequency Characteristics :

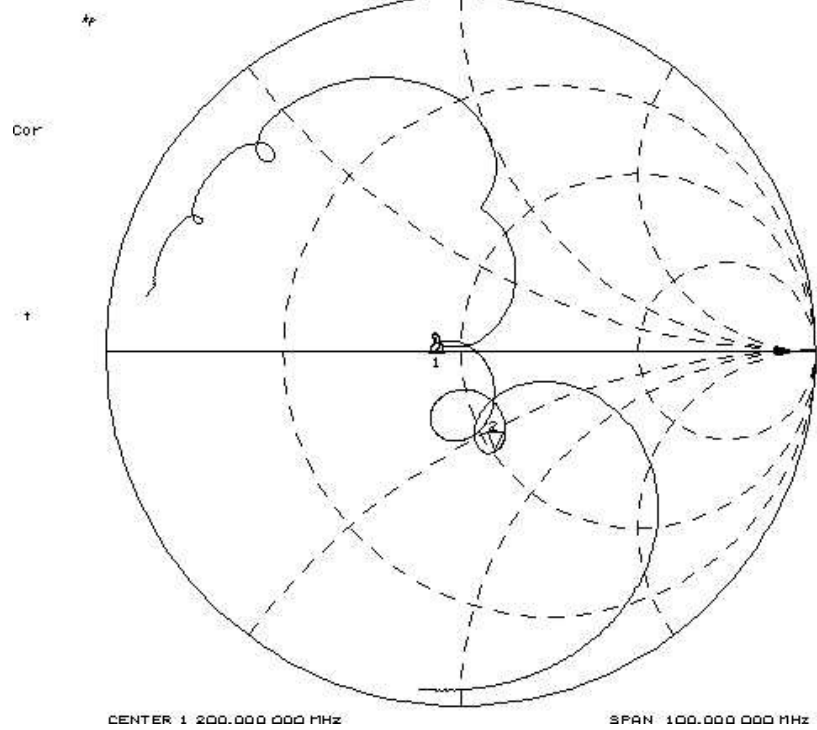


7 Sep 2006 17:36:06  
 [CH1] 811 1 U FS 2:45.498  $\alpha$  -30.121  $\alpha$  4.3310 pF 1 220.000 000 MHz



CH1 Markers  
 1: 41.945  $\alpha$   
 3: 3496  $\alpha$   
 1.18000 GHz

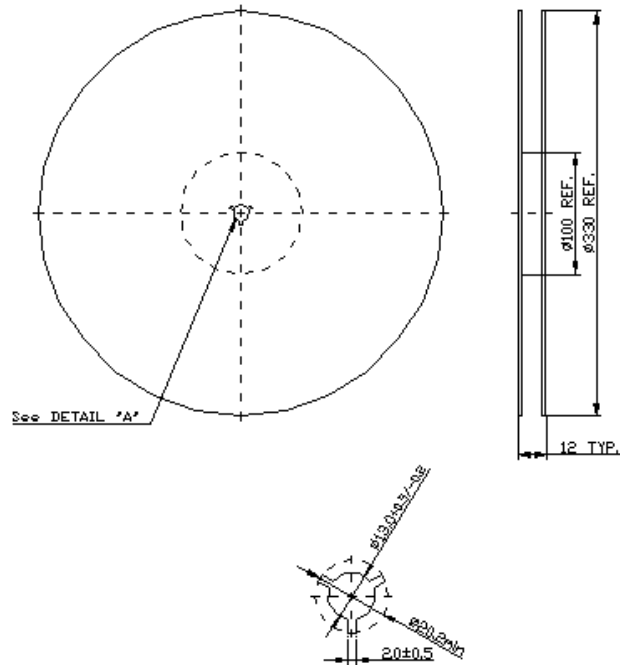
7 Sep 2006 17:36:12  
 [CH1] 833 1 U FS 2:50.922  $\alpha$  -31.629  $\alpha$  4.1245 pF 1 220.000 000 MHz



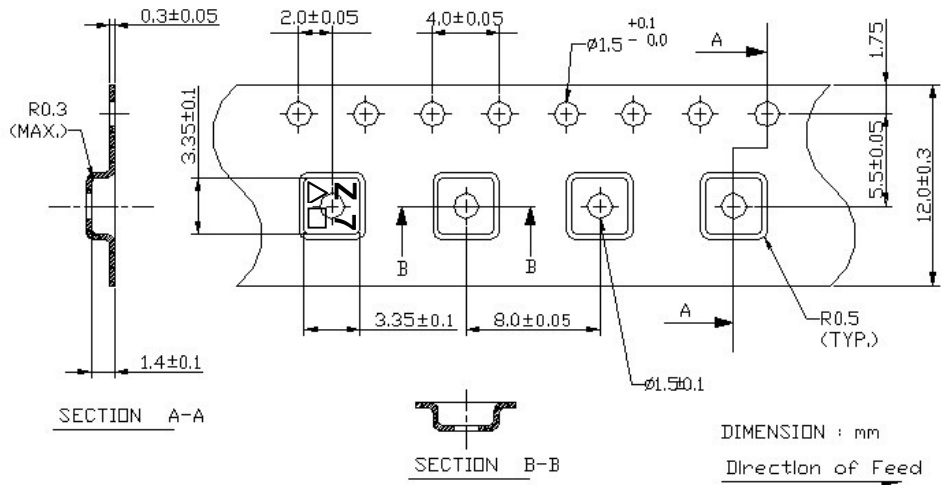
CH1 Markers  
 1: 43.506  $\alpha$   
 4: 0215  $\alpha$   
 1.18000 GHz

**G. PACKING:**

1. REEL DIMENSION  
 (Reel Count : 7"=1000 ; 13"=3000 )



2. TAPE DIMENSION



## 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.

