



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 Description: SAW Filter 2085.5 MHz SMD 1.4x1.1 mm (BW=120 MHz)

TST Part No.: TA2132A

Customer Part No.: _____

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

Checked by: _____ David Chang 

Approved by: _____ Bob Chau 

Date: _____ 2017/05/03

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 2085.5 MHz

MODEL NO.:TA2132A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 17 dBm
2. DC Voltage : 3 V
3. Operating Temperature: -15°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

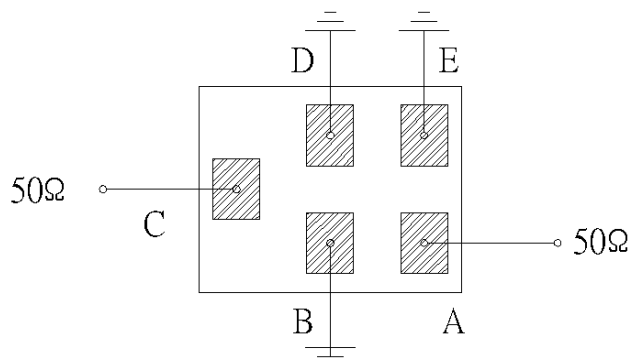
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance : $Z_s = 50 \Omega$

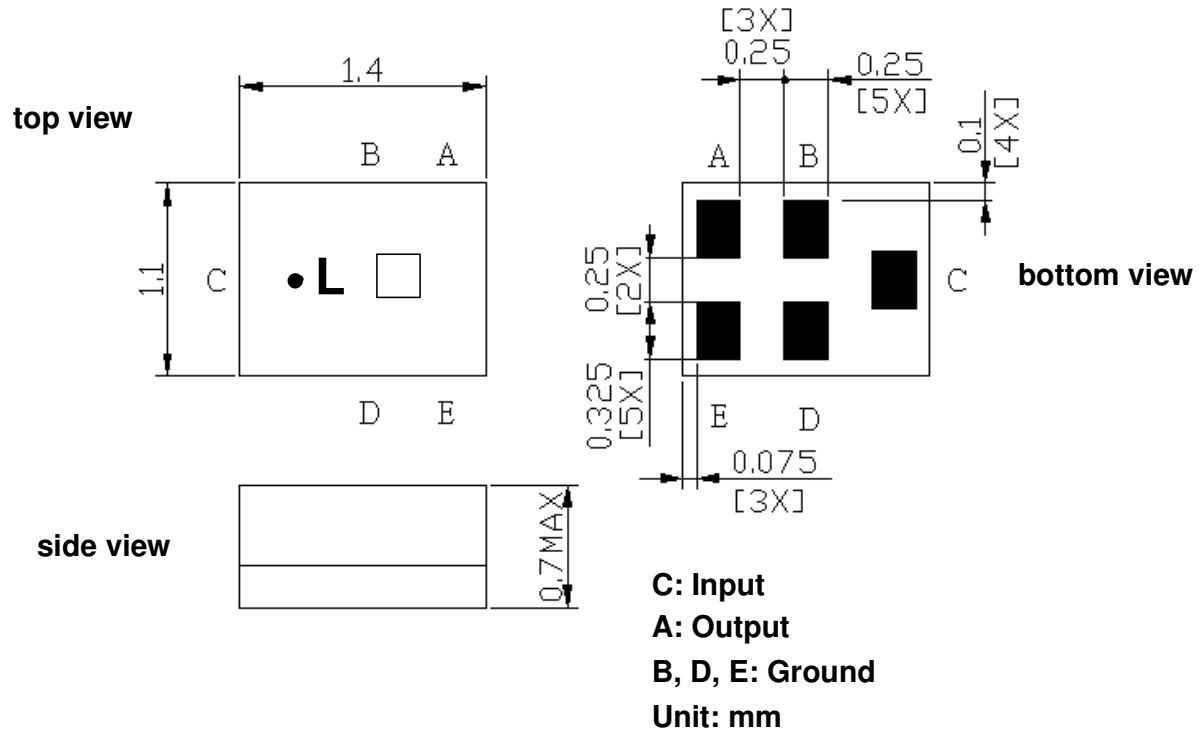
Terminating load impedance : $Z_L = 50 \Omega$

Item	Unit	Min.	Typ.	Max.
Center Frequency F_c	MHz	-	2085.5	-
Insertion Loss (2025.5~2145.5 MHz) IL	dB	-	4.3	5.2
Amplitude Ripple (2025.5~2145.5 MHz)	dB	-	1.0	1.8
Bandwidth BW_{-2dB}	MHz	120	167	-
VSWR (2025.5~2145.5 MHz)	-	-	1.7	2.5
Attenuation (Reference level from 0 dB)				
10 ~ 1920 MHz	dB	22	29	-
1920 ~ 1980 MHz	dB	5	7.5	-
2000 ~ 2010 MHz	dB	3	4	-
2180 ~ 2280 MHz	dB	4	7	-
2300 ~ 2380 MHz	dB	30	40	-
2400 ~ 2500 MHz	dB	30	35	-
Temperature coefficient of frequency	ppm/k	-	-80	-

C. MEASUREMENT CIRCUIT:



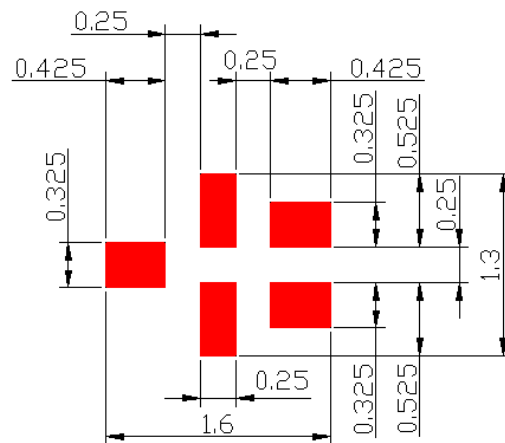
D. OUTLINE DRAWING:



□ : Year/Month Code (Follow the table)

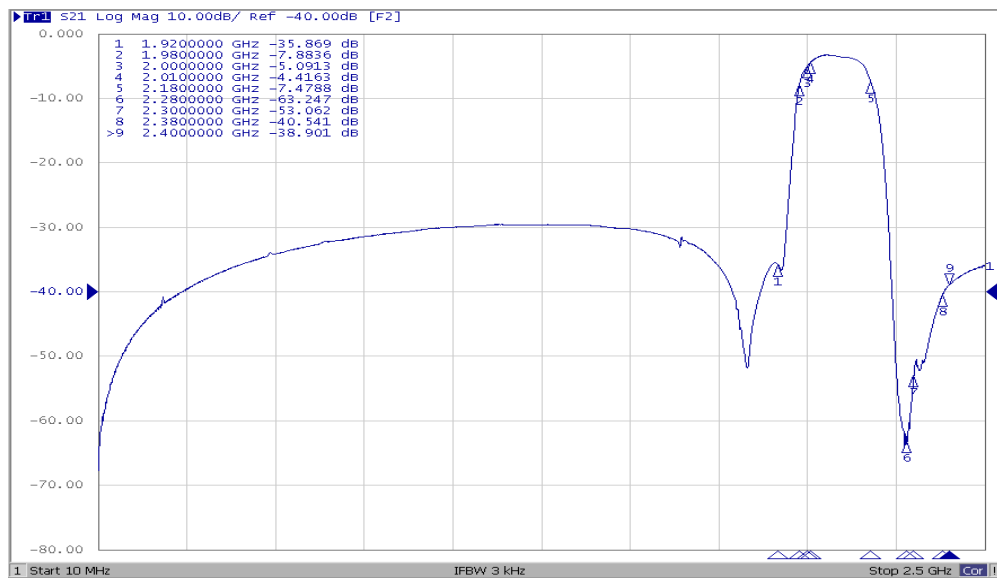
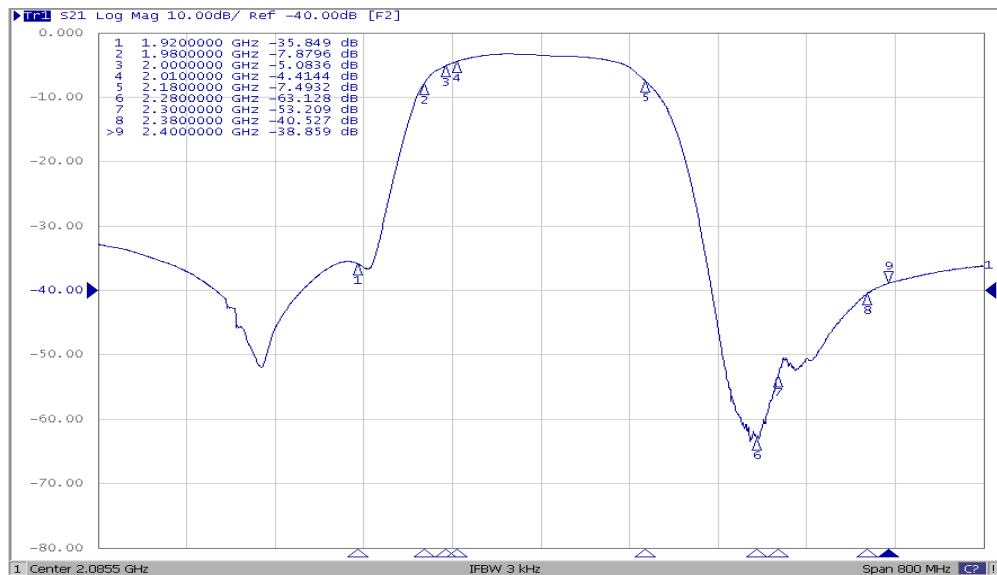
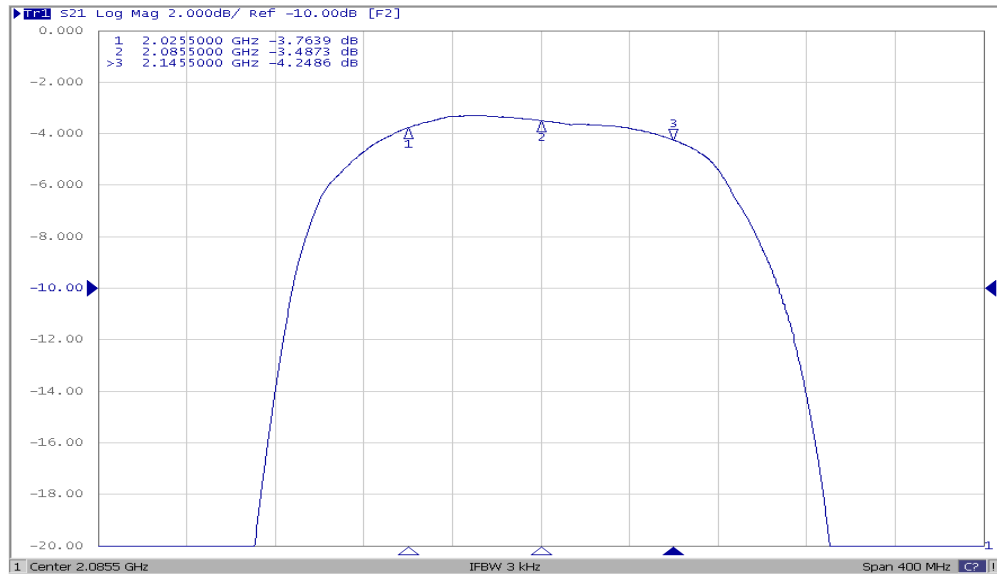
YEAR/Month	1	2	3	4	5	6	7	8	9	10	11	12
2013	A	B	C	D	E	F	G	H	J	K	L	M
2014	N	P	Q	R	S	T	U	V	W	X	Y	Z
2015	a	b	c	d	e	f	g	h	j	k	l	m
2016	n	p	q	r	s	t	u	v	w	x	y	z
2017	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>M</u>
2018	<u>N</u>	<u>P</u>	<u>Q</u>	<u>R</u>	<u>S</u>	<u>T</u>	<u>U</u>	<u>V</u>	<u>W</u>	<u>X</u>	<u>Y</u>	<u>Z</u>
2019	<u>a</u>	<u>b</u>	<u>c</u>	<u>d</u>	<u>e</u>	<u>f</u>	<u>g</u>	<u>h</u>	<u>j</u>	<u>k</u>	<u>l</u>	<u>m</u>
2020	<u>n</u>	<u>p</u>	<u>q</u>	<u>r</u>	<u>s</u>	<u>t</u>	<u>u</u>	<u>v</u>	<u>w</u>	<u>x</u>	<u>y</u>	<u>z</u>

E. PCB Footprint:



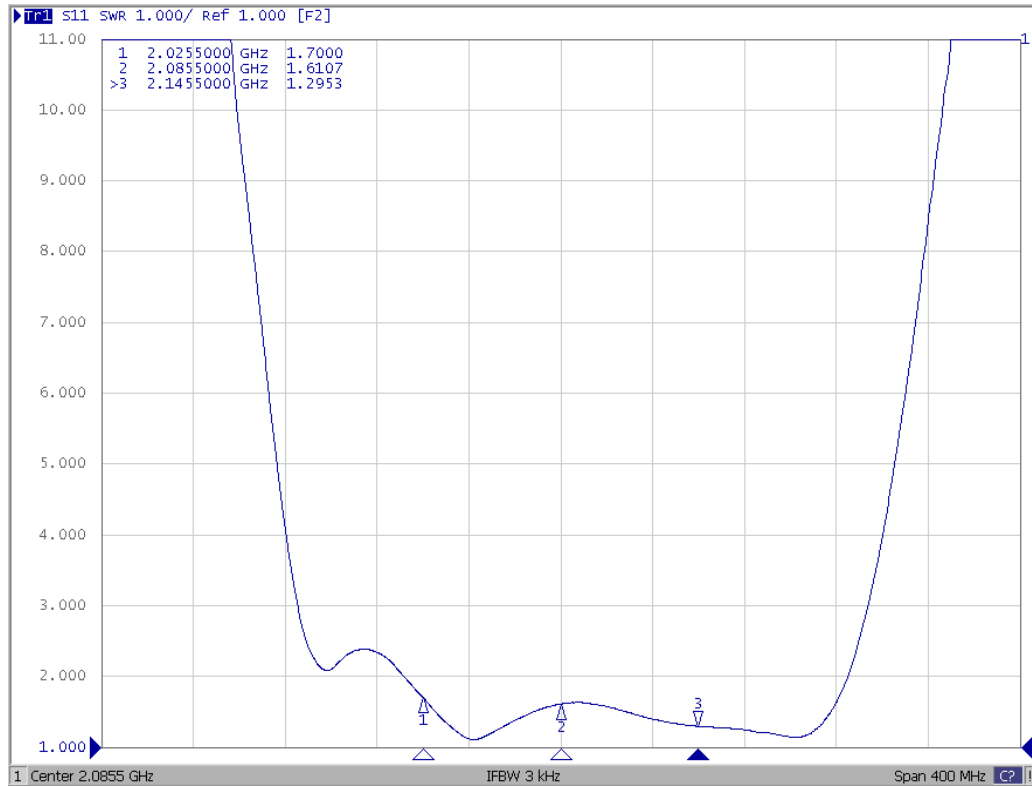
■ : Land Pattern
 Unit : mm

F. Frequency Characteristics:

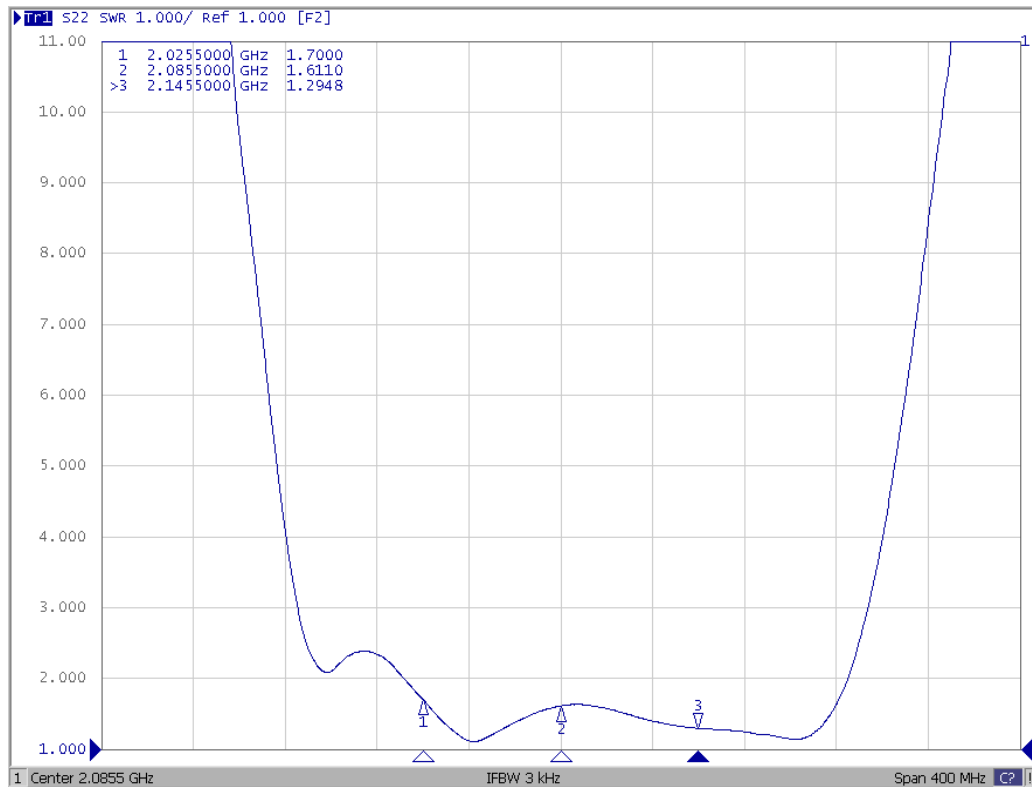


Reflection Functions:

S11



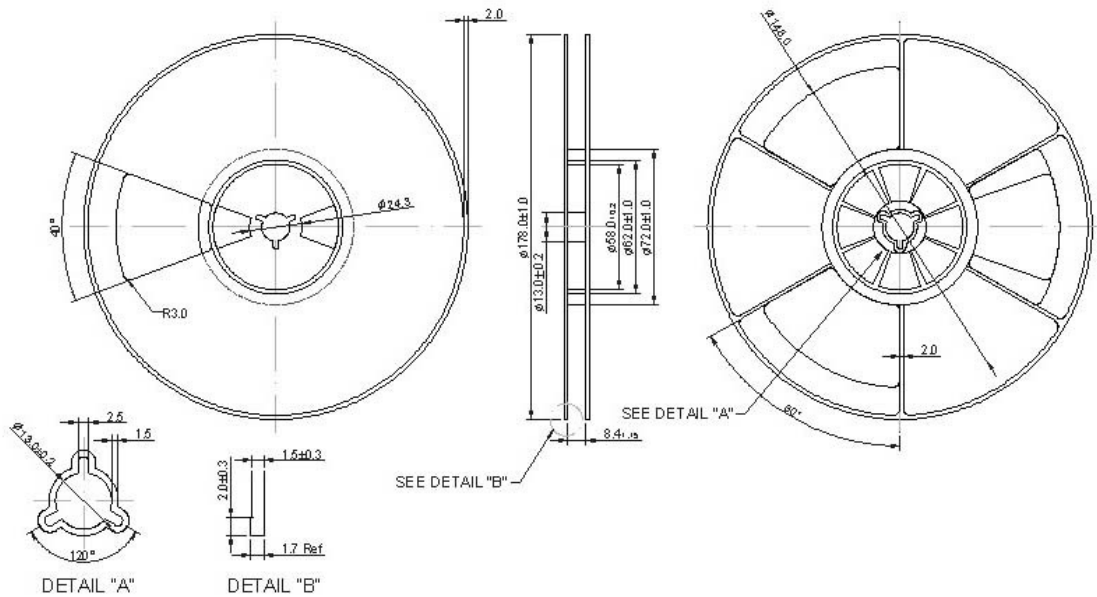
S22



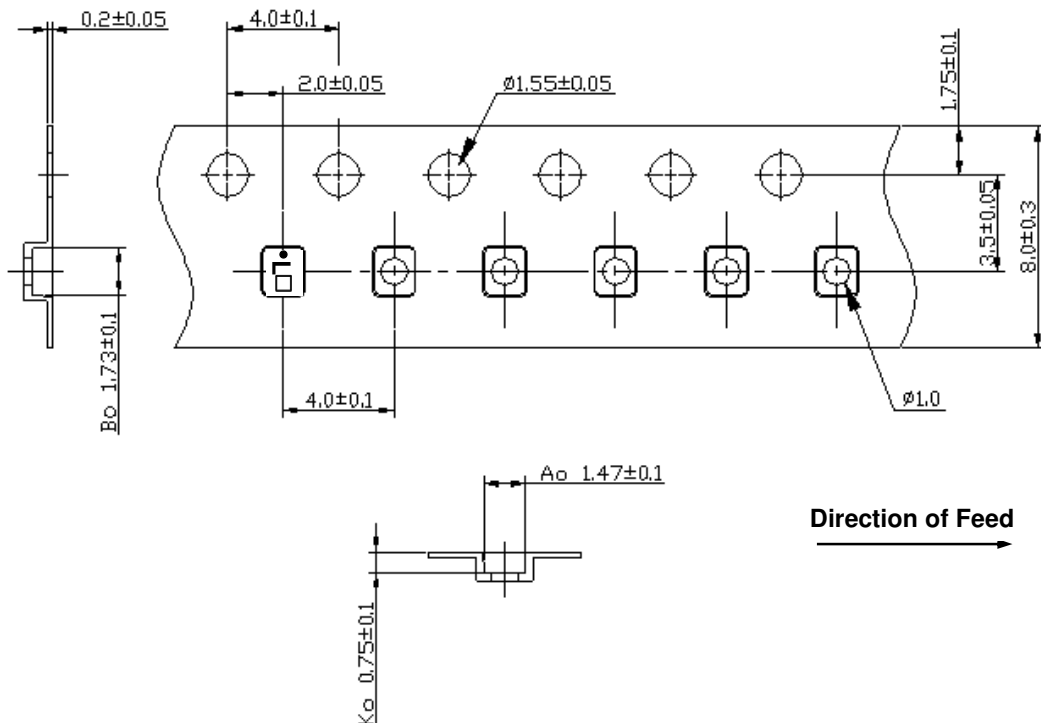
G. PACKING:

1. REEL DIMENSION

(Please refer to FR-75D10 for packing quantity)



2. TAPE DIMENSION



Direction of Feed

H. Recommended Reflow Profile:

1. Preheating shall be fixed at 150°C ~ 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 $260^{\circ}\text{C} \pm 5^{\circ}\text{C}$ peak (20~40sec).
4. Time: 2 times.

