



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Product Specifications Approval Sheet

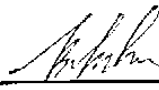
Product Name: SAW Filter 2450MHz SMD 1.4×1.1mm (BW=100MHz)

TST Part No.:TA1160A

Customer Part No.: _____

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

Checked by: _____ Kevin 

Approval by: _____ Bob Chau 

Date: _____ 03, 25, 2013

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 2450 MHz 1.4×1.1mm (BW=100MHz)

MODEL NO.: TA1160A

REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -30°C to 85°C
4. Storage Temperature: -40°C to +85°C

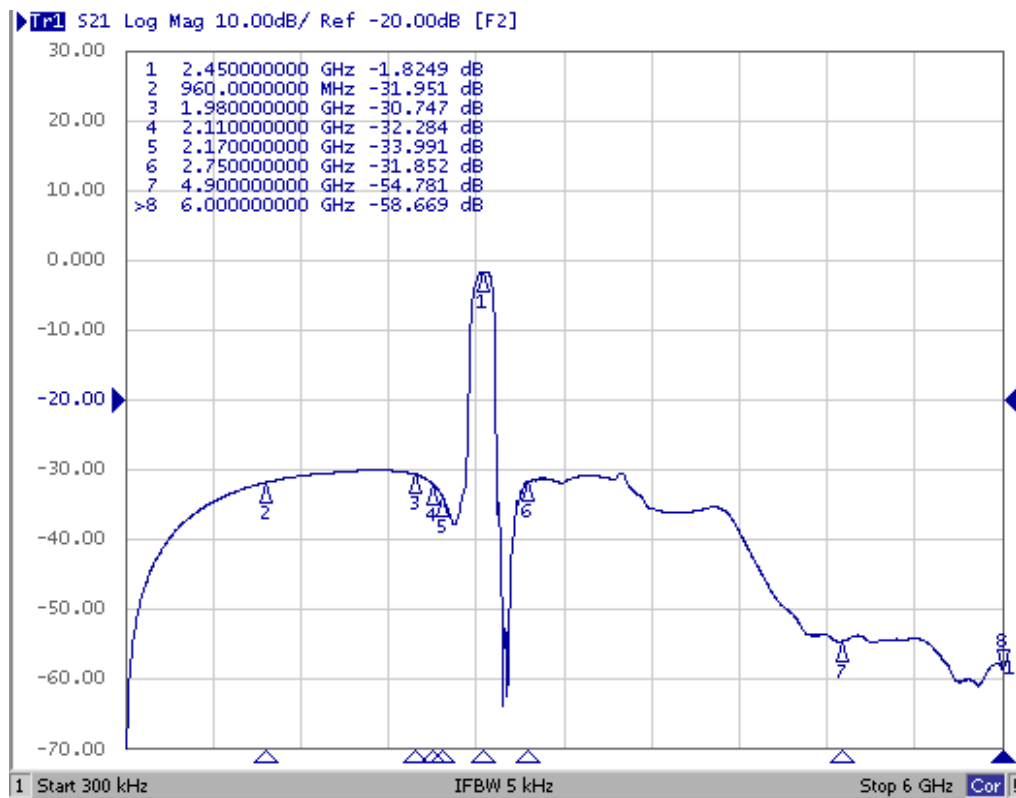
RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

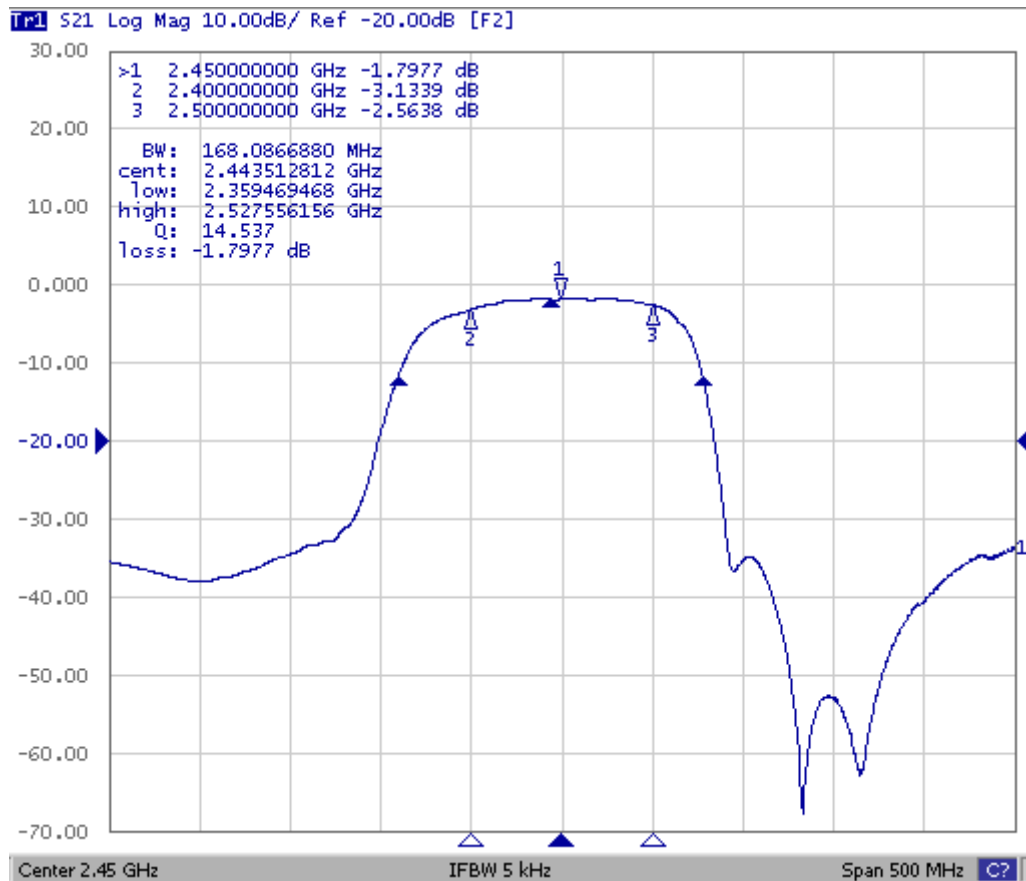
B. CHARACTERISTICS:

Item		Min.	Typ.	Max.
Center frequency, Fc	MHz	-	2450	-
Amplitude ripple (2400 ~ 2500 MHz)	dB	-	1.3	2.7
Insertion loss, IL (2400 ~ 2500 MHz)	dB	-	3.2	4.8
VSWR (2400 ~ 2500 MHz)		-	1.7	2.5
Attenuation (reference from 0dB)				
100 ~ 960 MHz	dB	25	32	-
960 ~ 1980 MHz	dB	25	31	-
2110 ~ 2170 MHz	dB	28	33	-
2750 ~ 4900 MHz	dB	20	17	-
4900 ~ 6000 MHz	dB	25	37	-
Source impedance, Z _s	Ω	-	50	-
Load impedance, Z _L	Ω	-	50	-

C. Transfer Function : Wideband

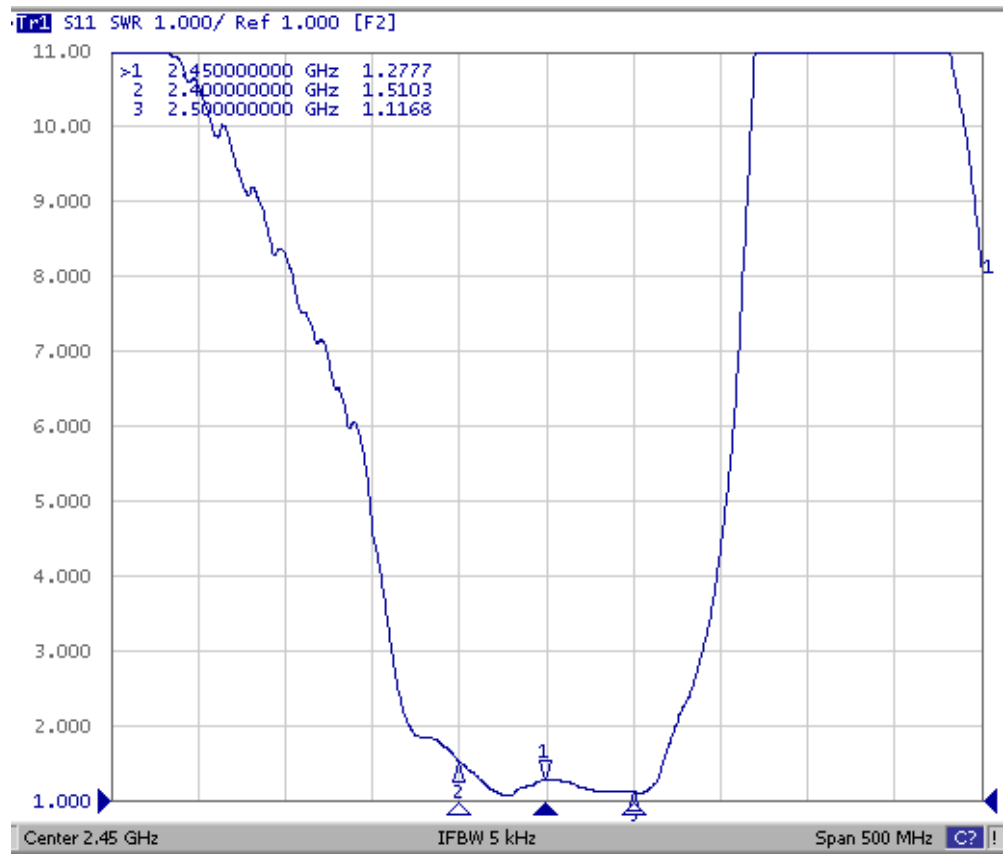


Narrowband

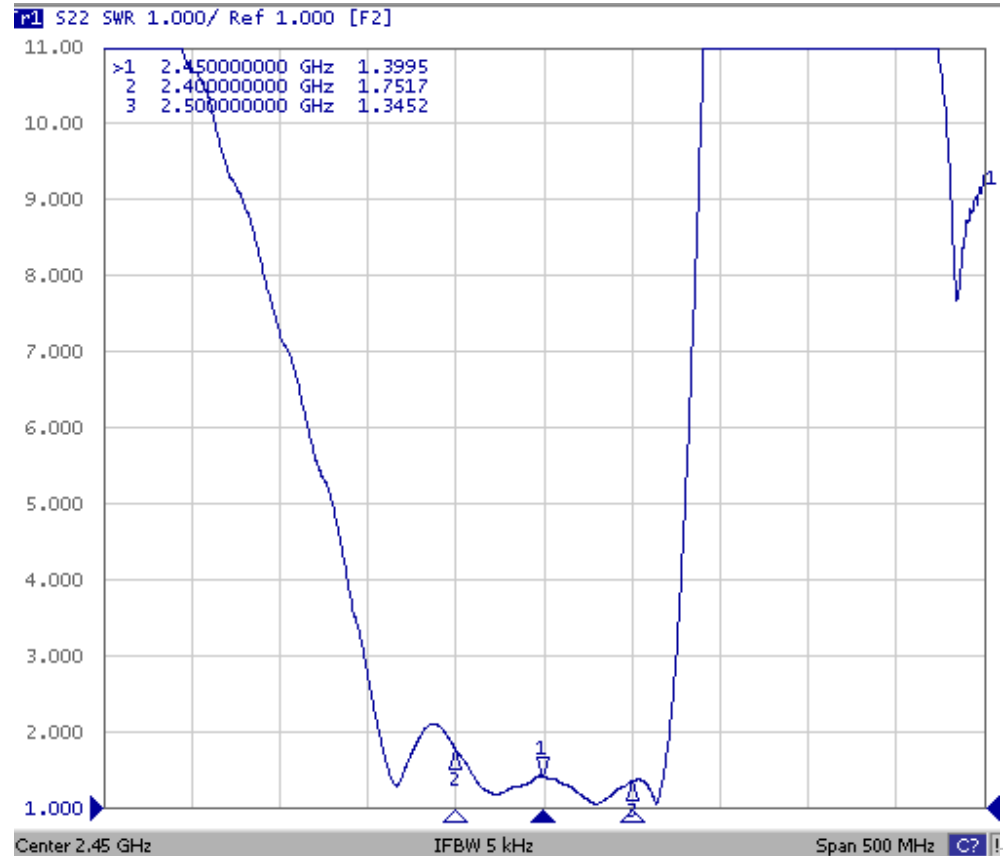


VSWR

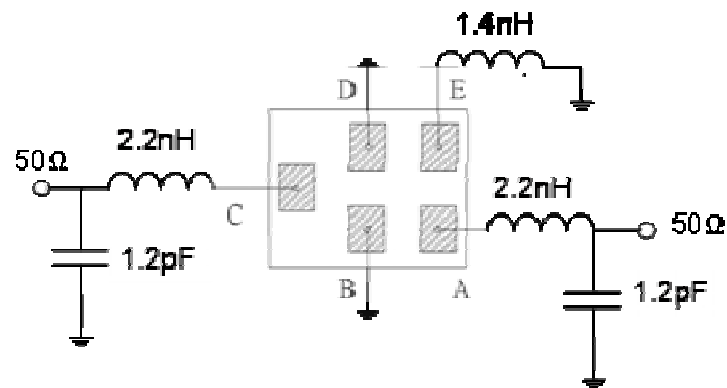
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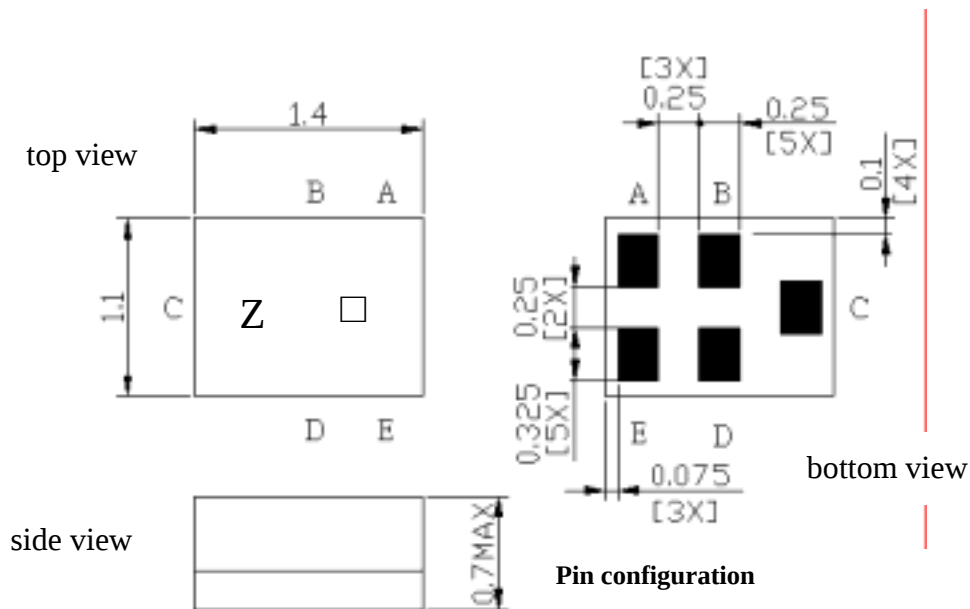
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D. MEASUREMENT CIRCUIT:



E.OUTLINE DRAWING:



Pin configuration

- #C Input
- #A Output
- #E Output Ground
- #B,D To be grounded

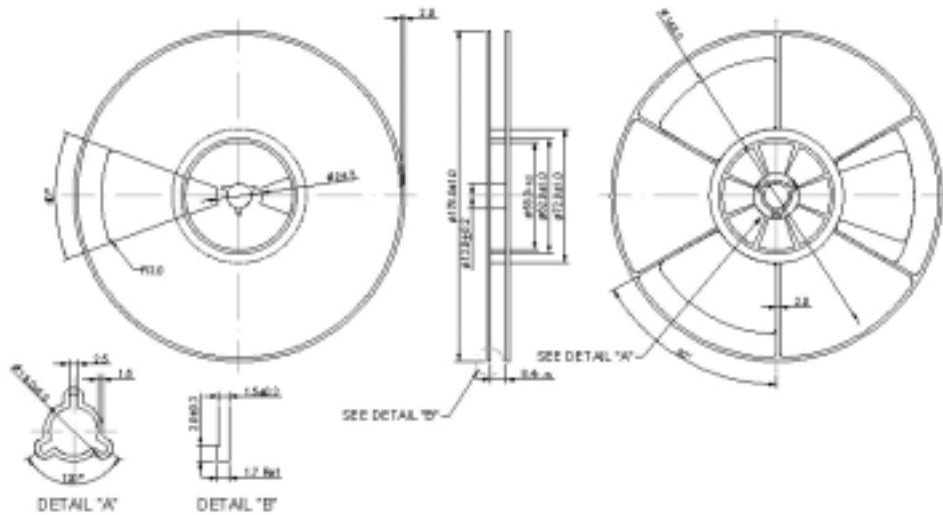
□ : Year/Month Code (Follow the table)

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>i</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>

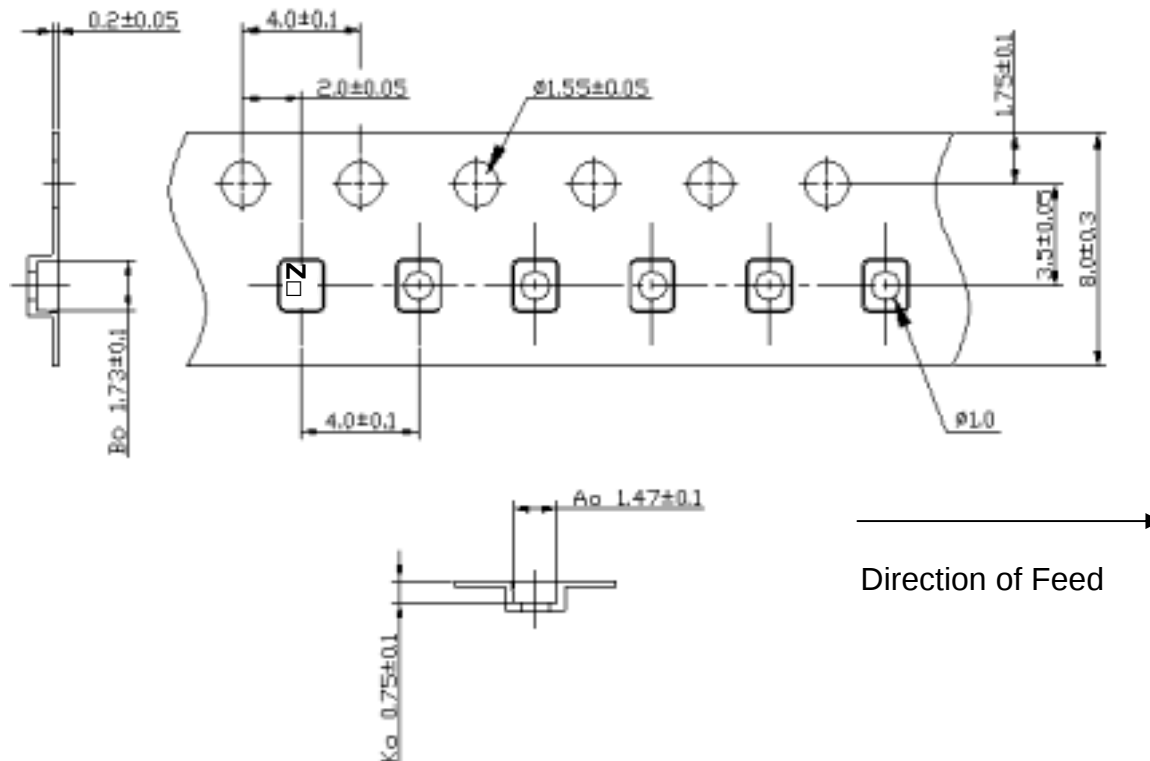
F. PACKING:

1. REEL DIMENSION

(Reel Count : 7"=3000)



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

1. Preheating shall be fixed at 150~180 for 60~90 seconds.
2. Ascending time to preheating temperature 150 shall be 30 seconds min.
3. Heating shall be fixed at 220 for 50~80 seconds and at 245~260 peak (min. 10sec).
4. Time : 2 times.

