



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 Specification Approval Sheet

Product Name: SAW Filter 404 MHz SMD 3.8X3.8 mm(BW=5 MHz)

TST Parts No.: TA1348A

Customer Parts No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Anne Chen

陳秀宜

Approved by: _____ Bob Chau

Bob Chau

Date: _____ 10, 14, 2015

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 404 MHz

MODEL NO.:TA1348A

REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

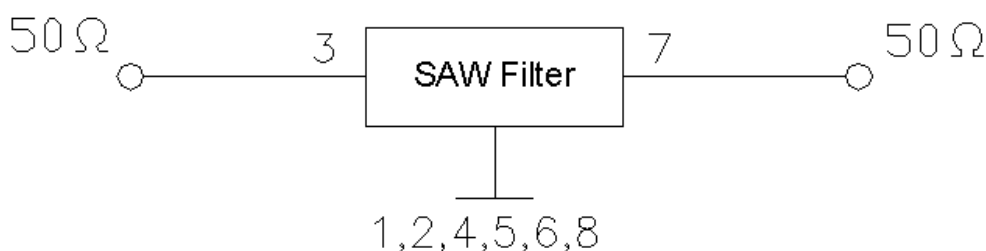
B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	404	-	-
Insertion Loss ILmin (reference level)	dB	-	2.1	2.3	-
Passband ripple (402MHz ~ 405 MHz)	dB	-	0.6	0.8	-
3 Db Bandwidth BW-3dB	dB	5.0	6.0	-	-
Attenuation (reference to 0 dB)					
398.5 MHz	dB	30	35	-	-
408.5 MHz	dB	30	45	-	-
383.5 MHz	dB	40	50	-	-
423.5 MHz	dB	40	48	-	-
Source impedance Zs	Ω	-	50	-	
Load impedance ZL	Ω	-	50	-	

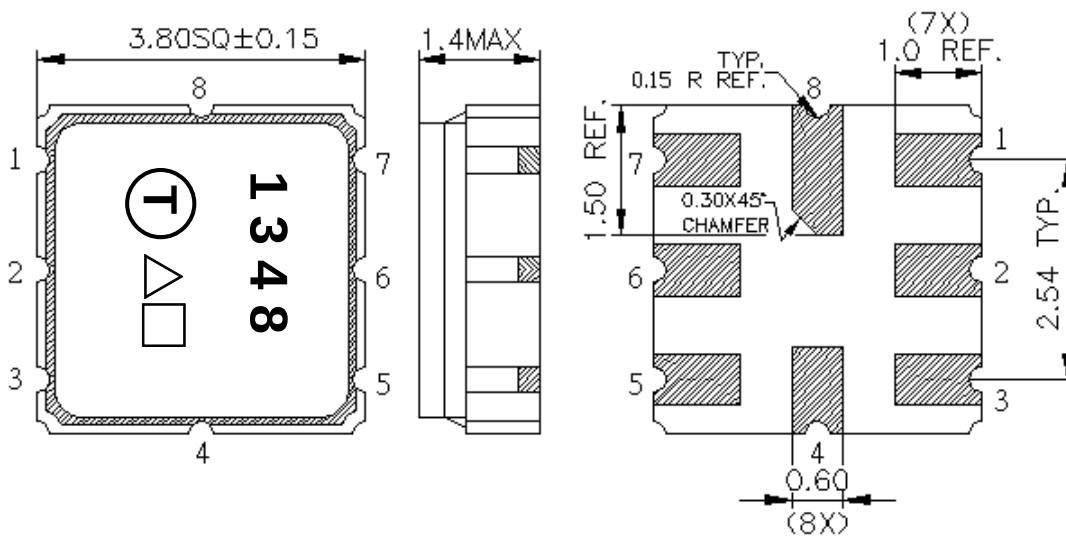
Note1. No matching network required for operation at 50Ω

E. MEASUREMENT CIRCUIT:

HP Network analyzer



D.OUTLINE DRAWING:



Marking name :1348

△: Year code

□ : Week code(Follow the table from planner each year)

3 : Input
7: Output
1,2,4,5,6,8 Ground
Unit: mm

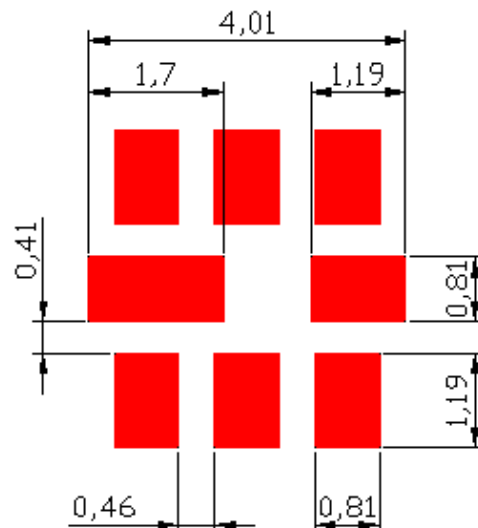
Product Year Code

Year	2015	2016
	2017	2018
	2019	2020
Year Code	A	a

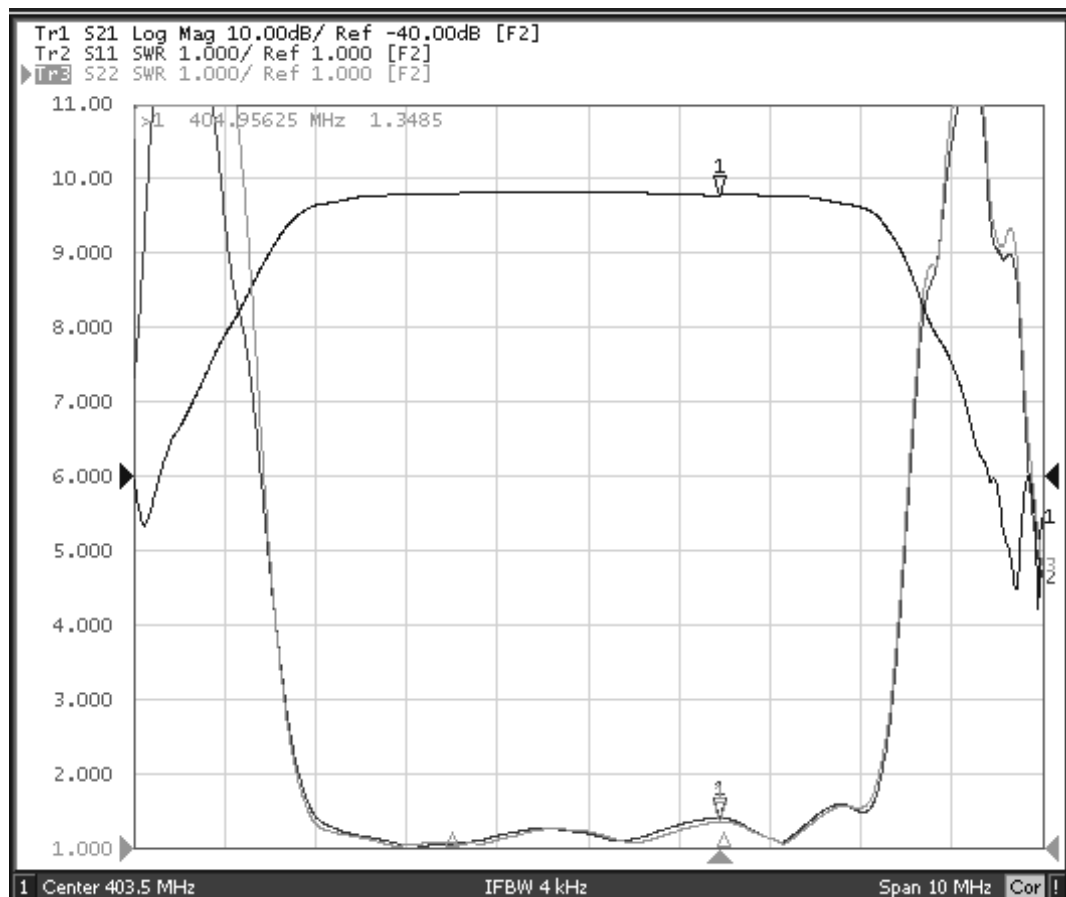
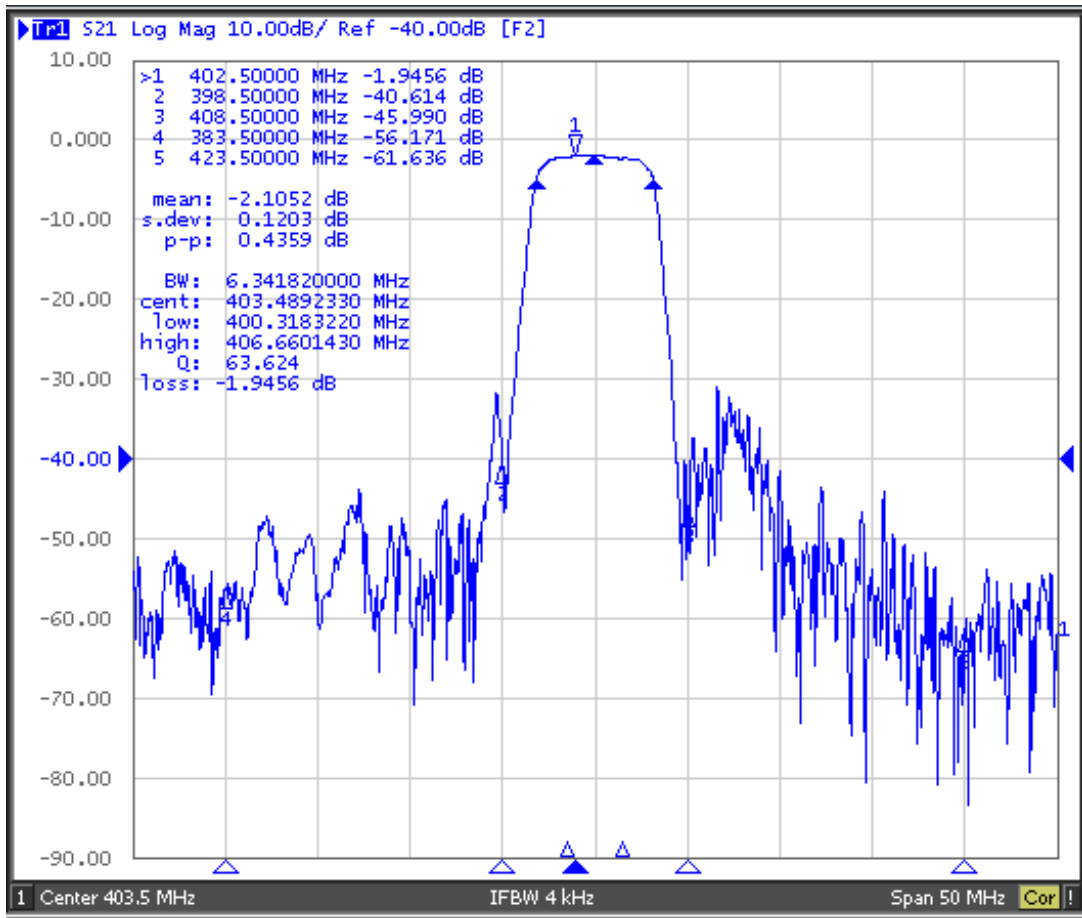
Date Code Table

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

E. PCB Footprint:

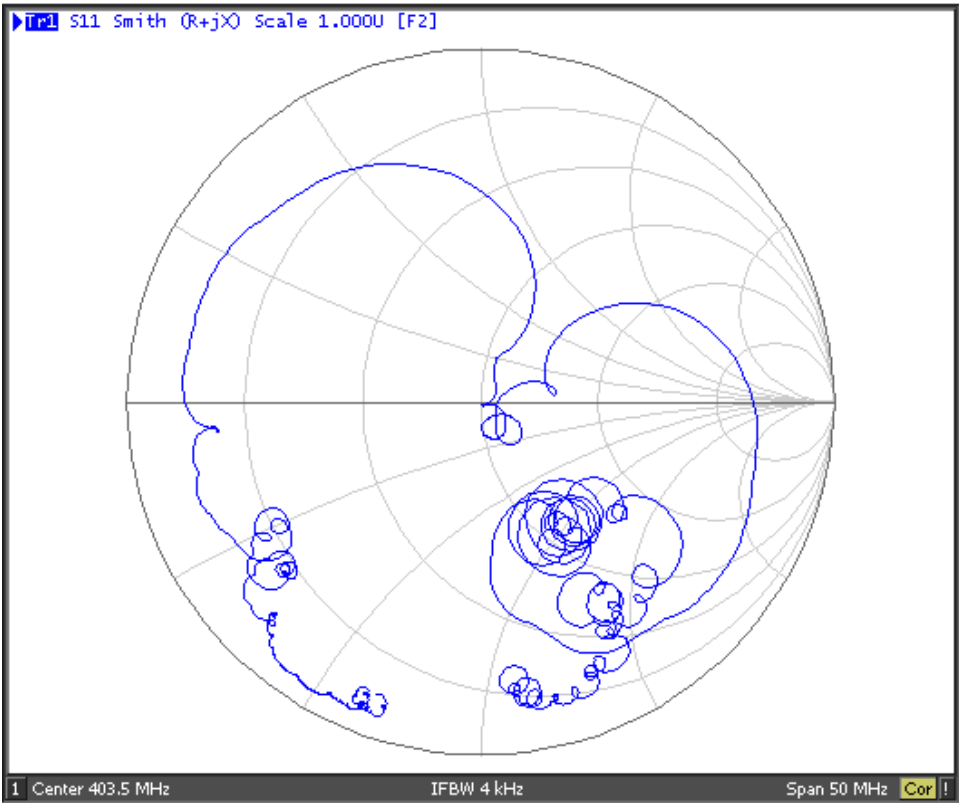


F. Frequency Characteristics : S21

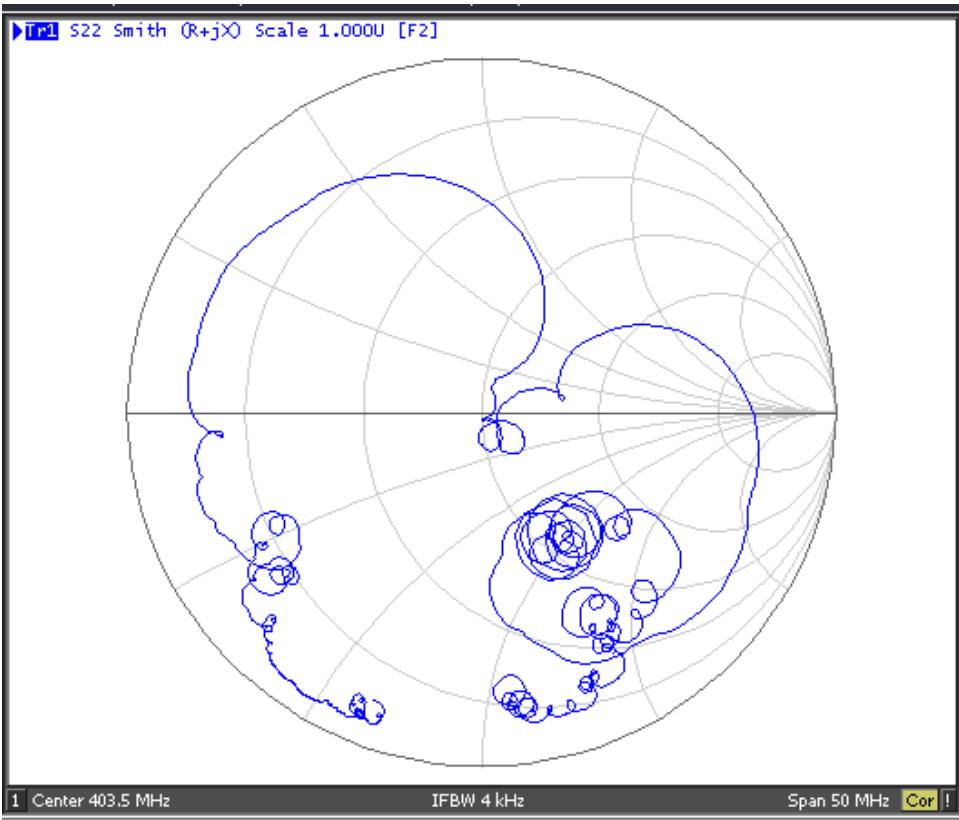


Reflection Functions :

S11



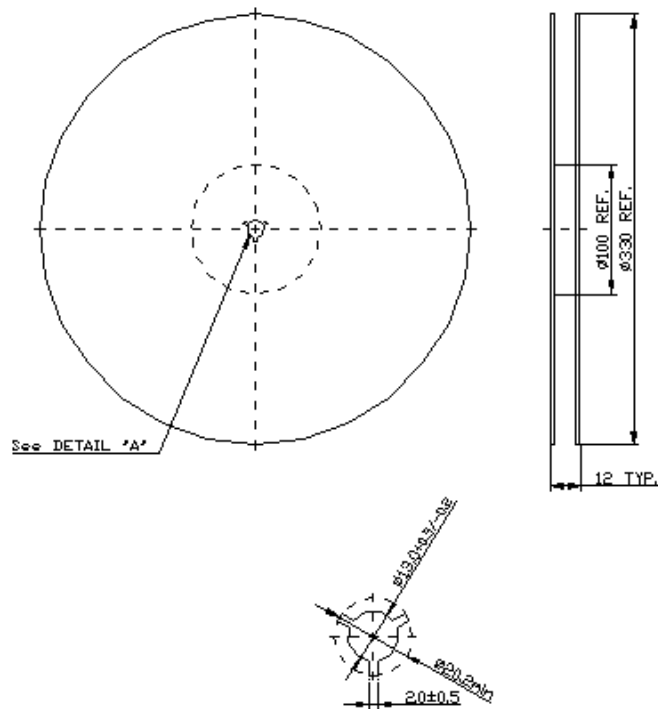
S22



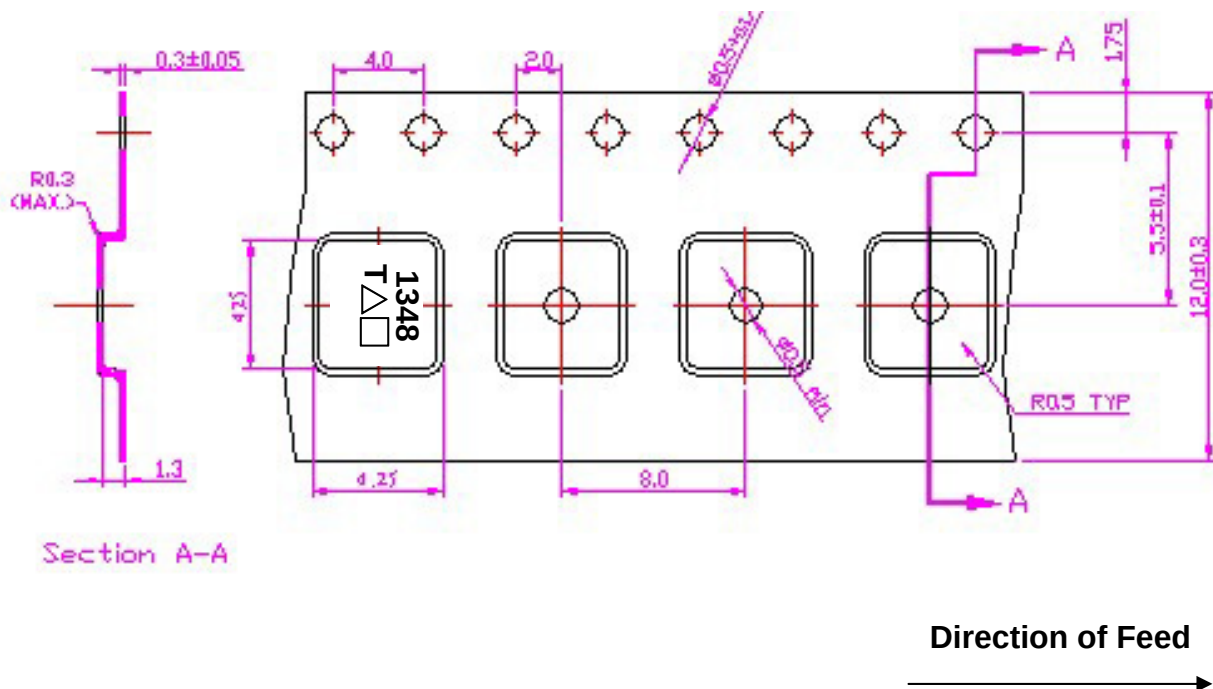
G. PACKING:

1. REEL DIMENSION

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



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.

