



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 345 MHz SMD 5.0×5.0 mm

TST Part No.: TA2363A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Michael Yang *Michael*

Approval by: _____ Andy Yu *Andy Yu*

Date: _____ 2018/4/30

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 345 MHz

MODEL NO.:TA2363A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3 V
3. Operating Temperature: -25°C to +85°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitive Level (MSL): Level 1

RoHS Compliant
Lead free
Lead-free soldering

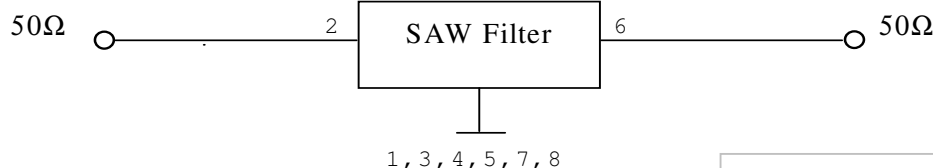
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	345	-
Insertion Loss (344.6~345.4 MHz) IL	dB	-	2.3	3.3
Amplitude ripple (344.6~345.4 MHz)	dB	-	0.4	1.3
Attenuation (Reference level from 0)				
10 ~ 320 MHz	dB	50	60	-
320 ~ 325 MHz	dB	50	55	-
325 ~ 333.5 MHz	dB	35	40	-
333.5 ~ 335 MHz	dB	50	55	-
335 ~ 337 MHz	dB	40	45	-
354 ~ 362 MHz	dB	25	30	-
362 ~ 370 MHz	dB	38	42	-
370 ~ 700 MHz	dB	50	55	-
700 ~ 1000 MHz	dB	32	42	-
Temperature Coefficient of Frequency	Ppm/°C	-	-30	-

C. MEASUREMENT CIRCUIT:

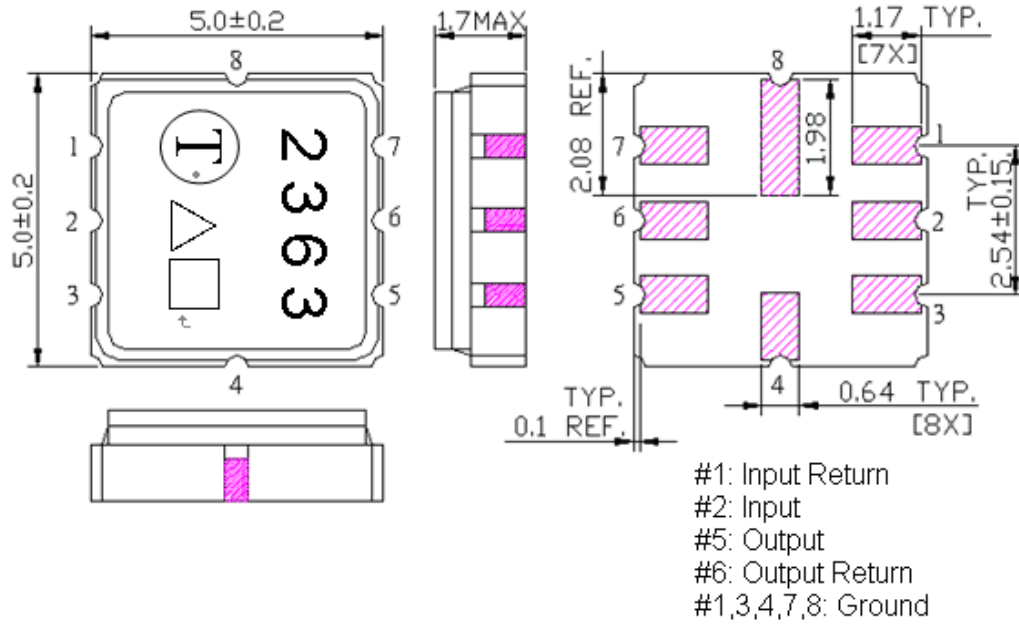
HP Network analyzer



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TST DCC
Release document

D.OUTLINE DRAWING:



※ **Note:** Pins #1 through #7 - pads have the same dimensions.

#B : Input

#F : Output

Others : Ground

△ : Product / Year Code

□ : Week Code

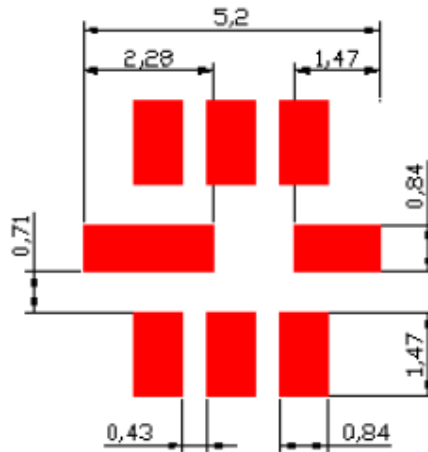
Unit : mm

Year	2013	2014	2015	2016
	2017	2018	2019	2020
	2021	2022	2023	2024
Year Code	A	a	A	a

Week Code Table

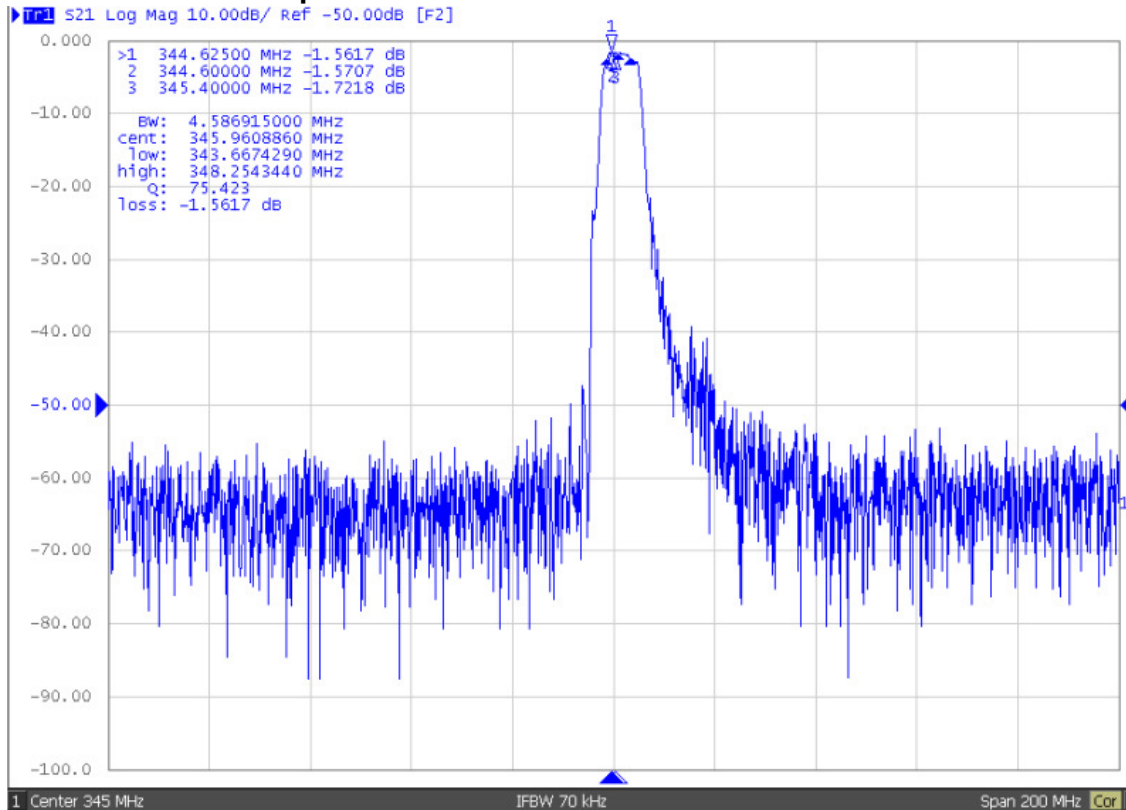
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45	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:

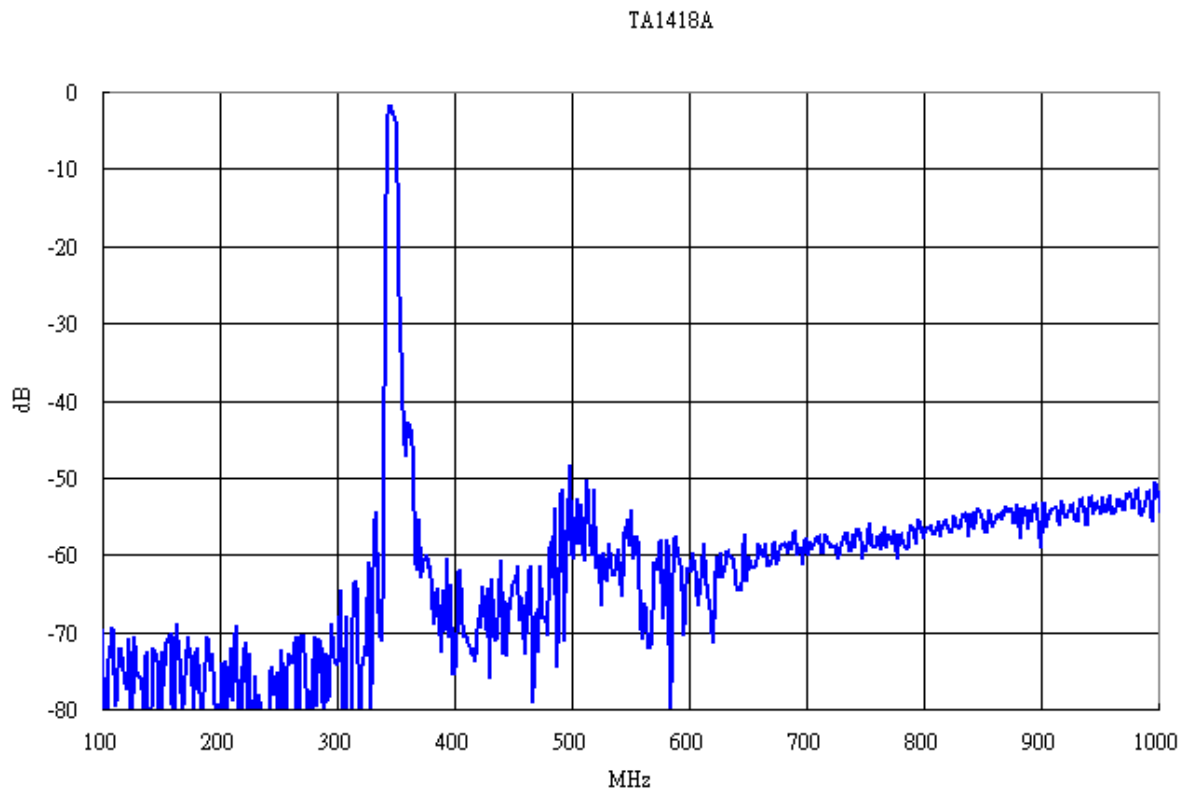
1. S21 Measurement : Span 200MHz



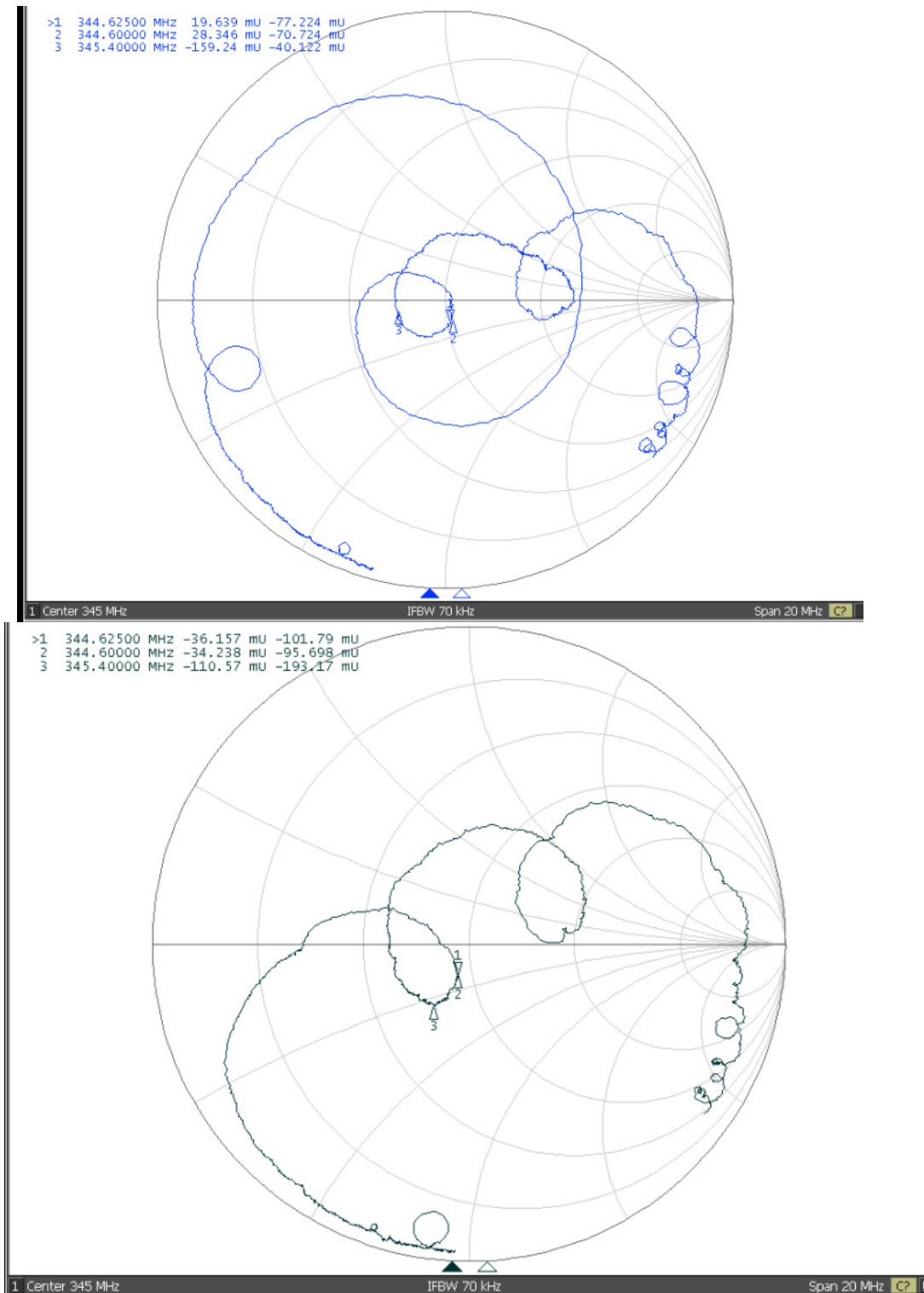
S21 Measurement : Span 20MHz



S21 Measurement : Span 1GHz

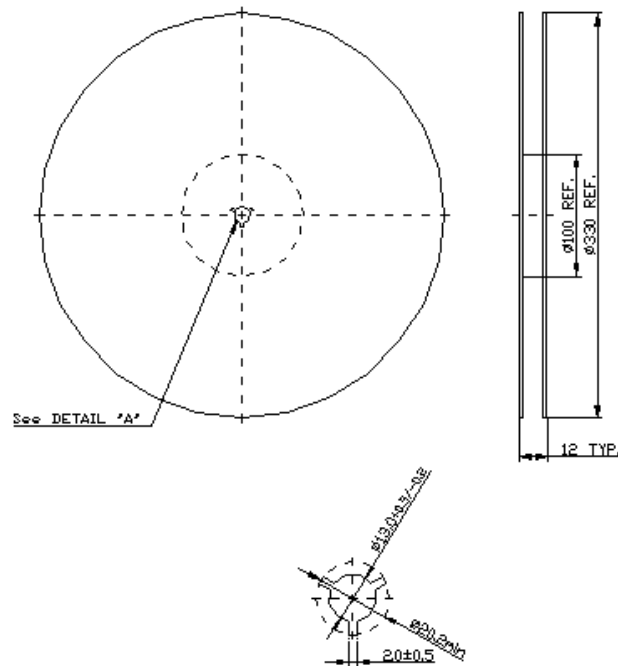


2、S11/S22 Measurement：

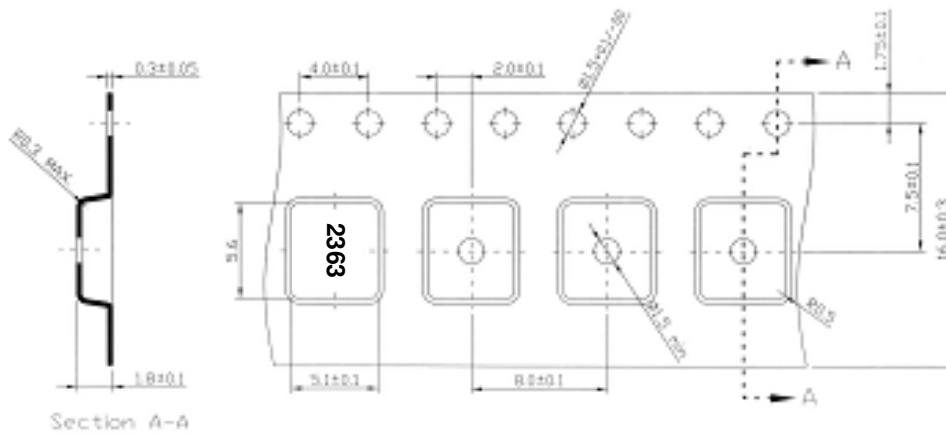


G. PACKING:

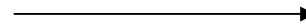
1. REEL DIMENSION



2. TAPE DIMENSION



Direction of Feed



H. RECOMMENDED REFLOW PROFILE :

1. Preheating shall be fixed at $150 \sim 180^{\circ}\text{C}$ 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 $260^{\circ}\text{C} + 0/-5^{\circ}\text{C}$ peak (20~40sec).
4. Time: 2 times.

