



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

TEL: 886-3-4690038 FAX: 886-3-4697532

E-mail: ttsales@mail.taisaw.com Web: www.taisaw.com

Product Specifications Approval Sheet

Product Description: 338.5MHz 0.6MHz BW SMD 3.0 x 3.0 mm SAW RF Filter

TST Parts No.:TA1671A

Customer Parts No.:_____

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

Checked by:_____Kazuma Lee 

Approval by:_____Bob Chau 

Date:_____10/05/2016

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.



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

TEL: 886-3-4690038 FAX: 886-3-4697532

E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

SAW Filter 338.5 MHz

MODEL NO.:TA1671A

Rev No.2

A. MAXIMUM RATING:

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

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center Frequency Fc	MHz		338.5	
Insertion Loss 338.2~338.8MHz IL	dB	-	1.5	2.5
Amplitude ripple 338.2~338.8MHz	dB	-	0.1	1.5
VSWR (338.2~338.8 MHz)		-	1.2	2.5
Attenuation (Reference level from 0dB)				
293.500 ~ 309.500 MHz	dB	53	64	-
316.500 ~ 317.400 MHz	dB	50	64	-
327.500 ~ 328.100 MHz	dB	46	62	-
348.900 ~ 349.500 MHz	dB	22	27	-
359.600 ~ 360.500 MHz	dB	36	38	-
381.000 ~ 382.200 MHz	dB	50	57	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-

C. FREQUENCY CHARACTERISTICS:

(1) Pass band Response:

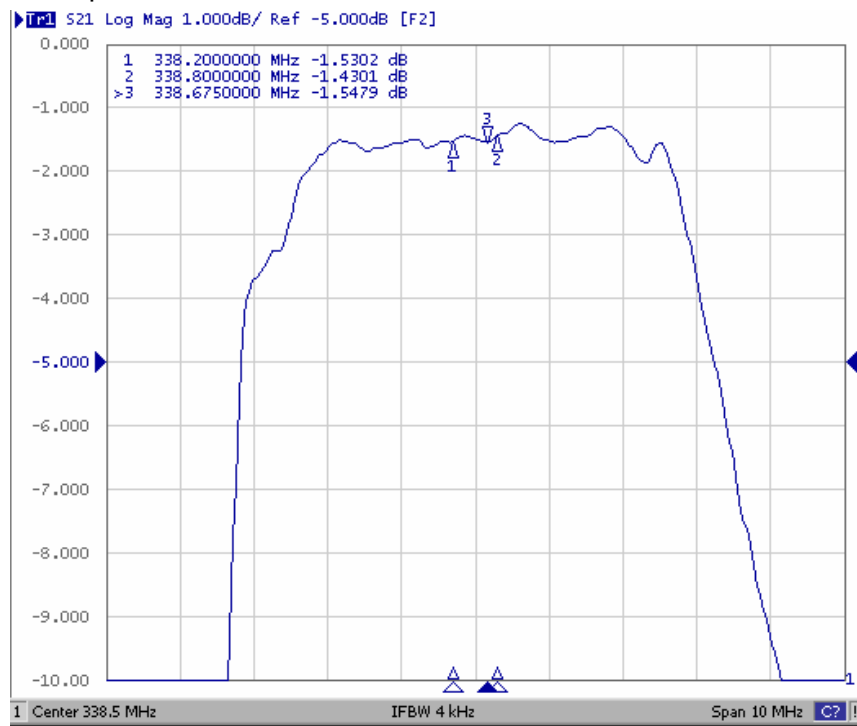


Fig1. Horizontal: 1MHz/Div Vertical: 1dB/Div

(2) Wide band Response:

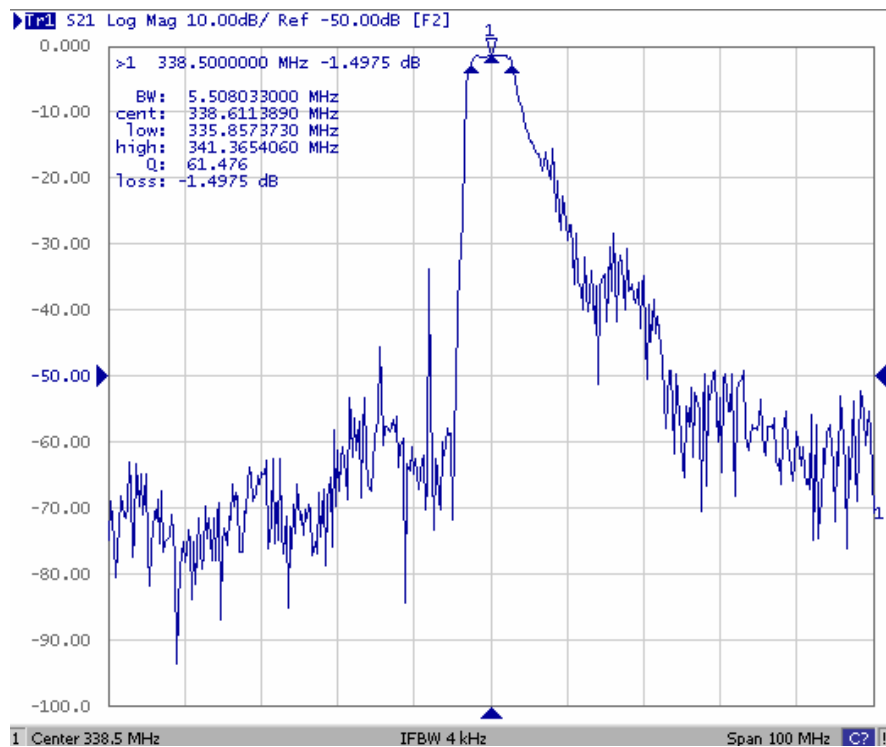


Fig2. Horizontal: 10MHz/Div Vertical: 10dB/Div

(3) VSWR:

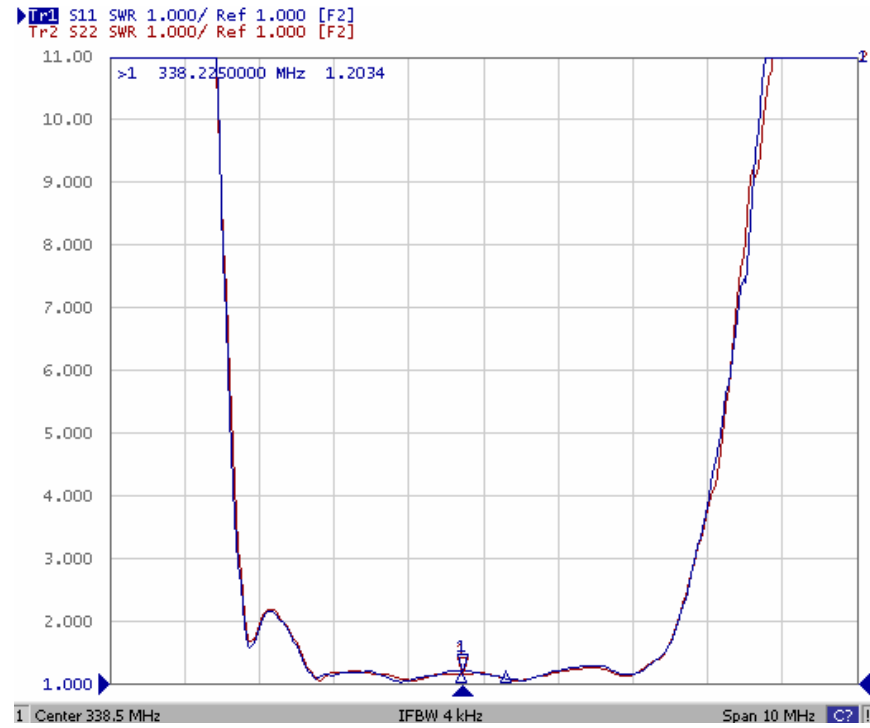
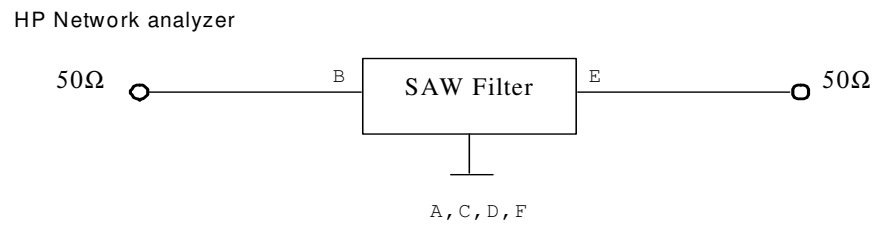
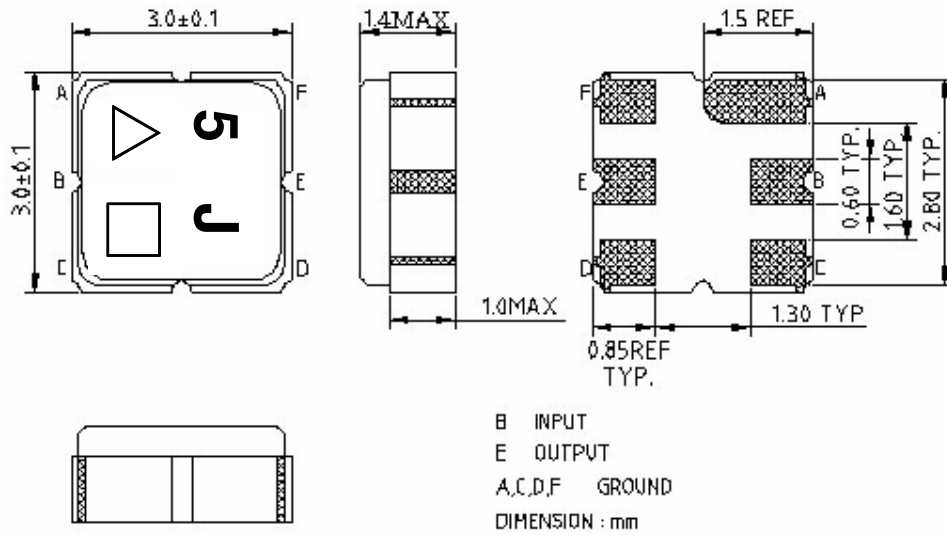


Fig3. Horizontal: 1MHz/Div Vertical: 1/Div

D. MEASUREMENT CIRCUIT:



E.OUTLINE DRAWING:

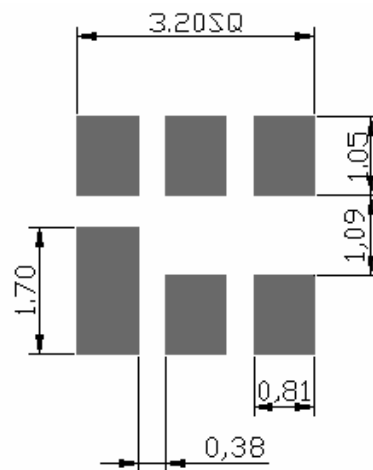


△:Product / Year Code △ (2013->3, ..., 2019->9, 2020->0, ...)

□ : Week Code

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

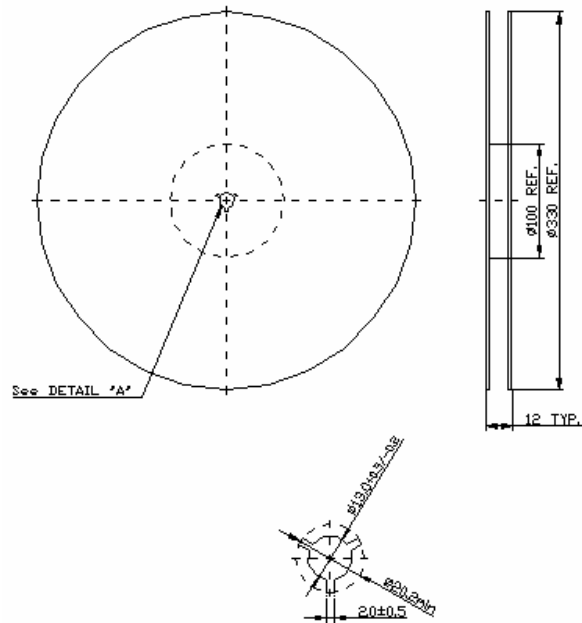
F. PCB FOOTPRINT:



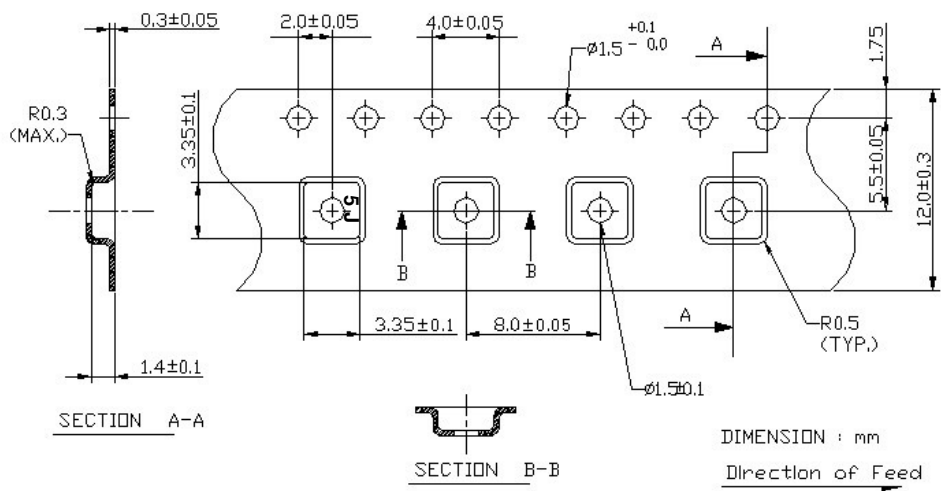
G. PACKING:

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 260°C +0/-5°C peak (20~40sec).
4. Time: 2 times.

