



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

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Product Specification Approval Sheet

Product Name: SAW Filter 942.5MHz SMD 3.0x3.0 (BW=35 MHz)

TST Parts No.:TA0394B

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:_____ 08, 20, 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 942.5 MHz

MODEL NO.: TA0394B

REV. NO.:1

A. MAXIMUM RATING:

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

RoHS Compliant
Lead free
Lead-free soldering

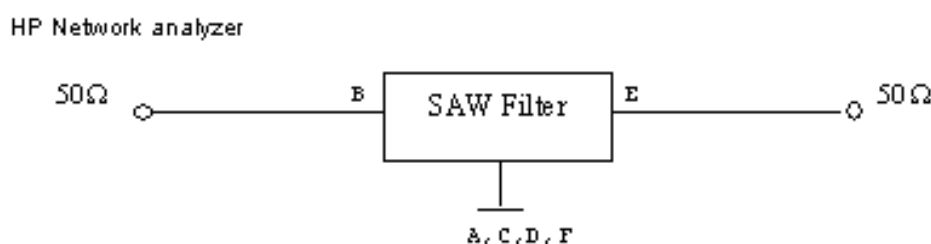
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

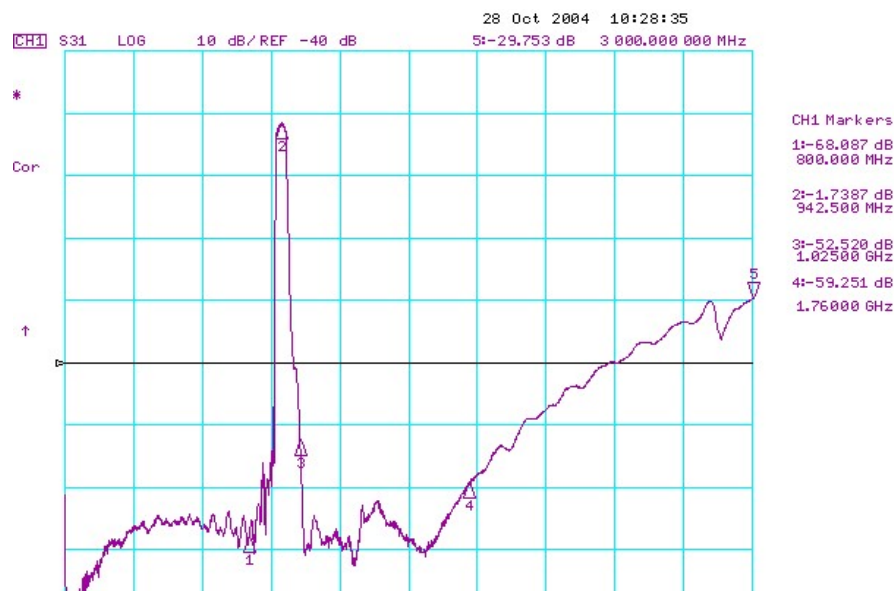
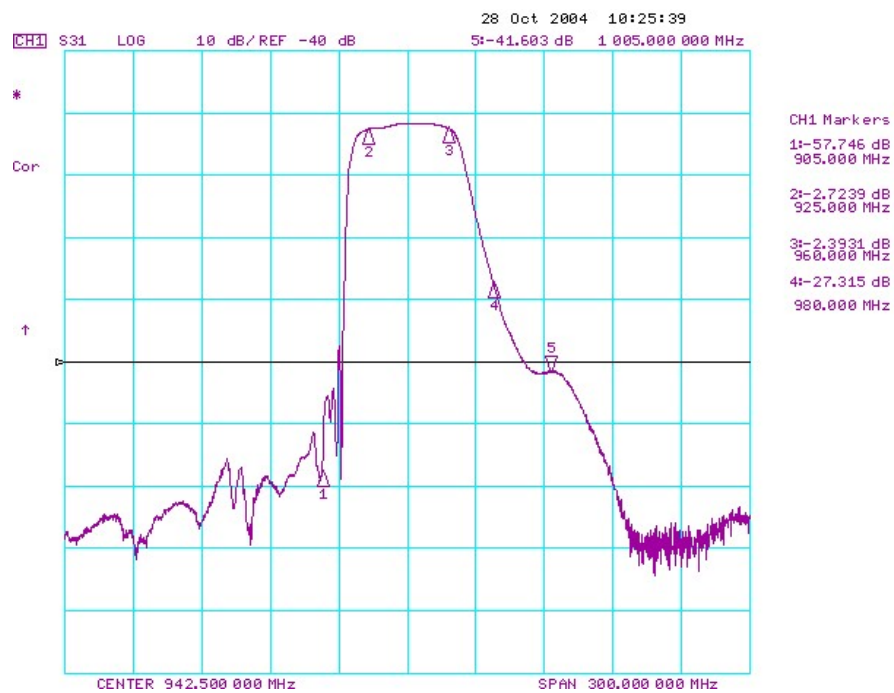
Characteristics				Specification			Note
				Min.	Typ.	Max.	
Center frequency	F _c	MHz		-	942.5	-	-
Insertion loss	925~960 MHz	I.L.	dB	-	2.8	4.0	-
Ripple	925~960 MHz		dB	-	1.1	2.3	-
VSWR	925~960 MHz			-	1.5	2.1	
Attenuation: (Reference level from 0 dB)							
0 ~ 800 MHz			dB	50	60	-	-
800 ~ 880 MHz			dB	40	53	-	-
880 ~ 905 MHz			dB	30	47	-	-
980 ~ 982 MHz			dB	16	27	-	-
982 ~ 1005 MHz			dB	23	29	-	-
1005 ~ 1025 MHz			dB	29	41	-	-
1025 ~ 1760 MHz			dB	40	48	-	-
1760 ~ 2300 MHz			dB	30	40	-	-
2300 ~ 3000 MHz			dB	20	28	-	-
Source Impedance	Z _S	Ω			50		1
Load Impedance	Z _L	Ω			50		1

Note1. No matching network required for operation at 50 Ω

MEASUREMENT CIRCUIT:

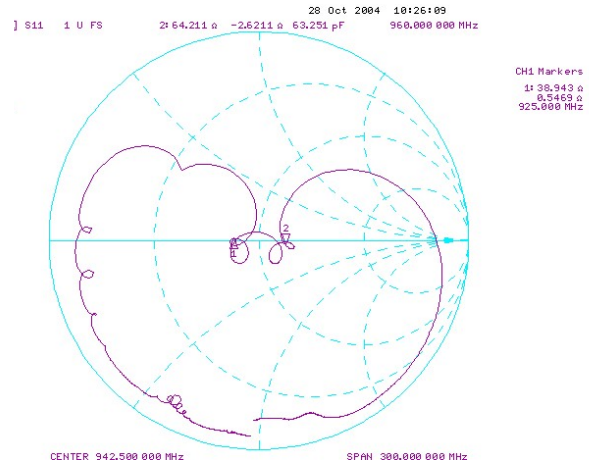
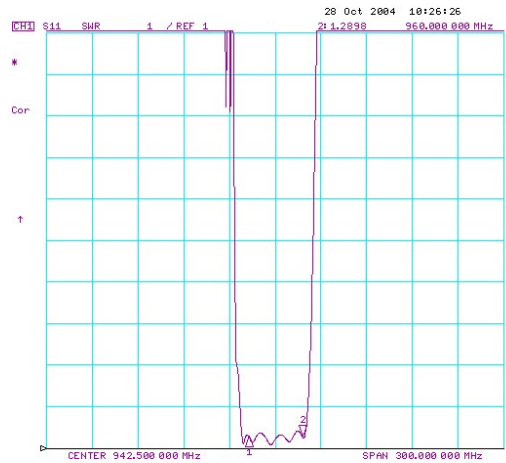


C. Transfer Function :

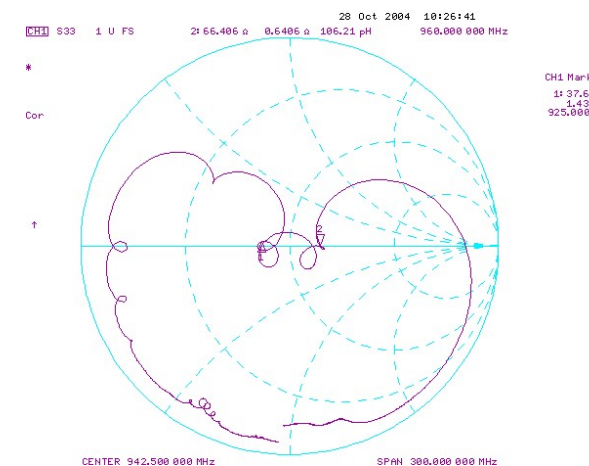
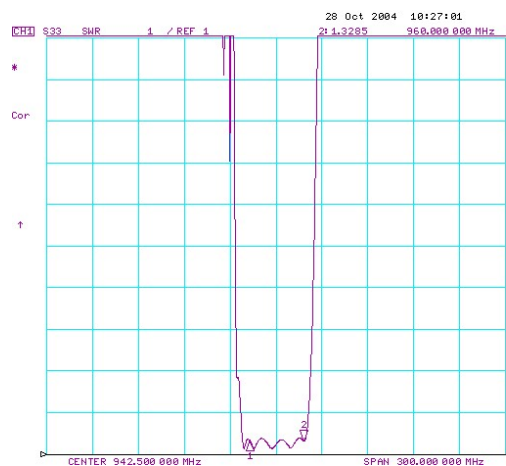


D. Reflections Functions :

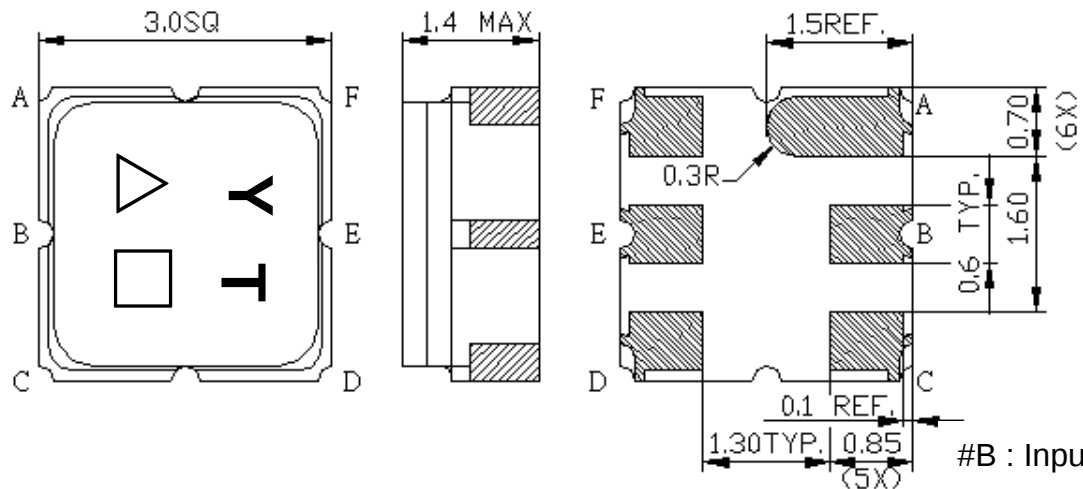
S11



S22



E.OUTLINE DRAWING:



Marking name : **YT**

△ : Year Code (2016->6, ..., 2019->9)

□ : Date Code (Follow the table from planner each)

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

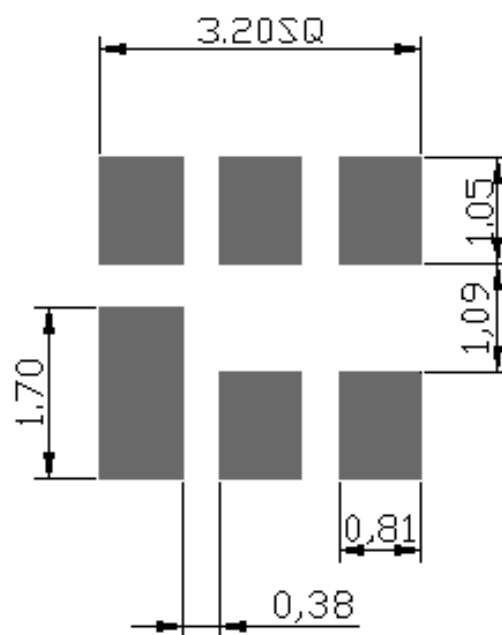
#B : Input

#E : Output

#A,C,D,F : Ground

Unit: mm

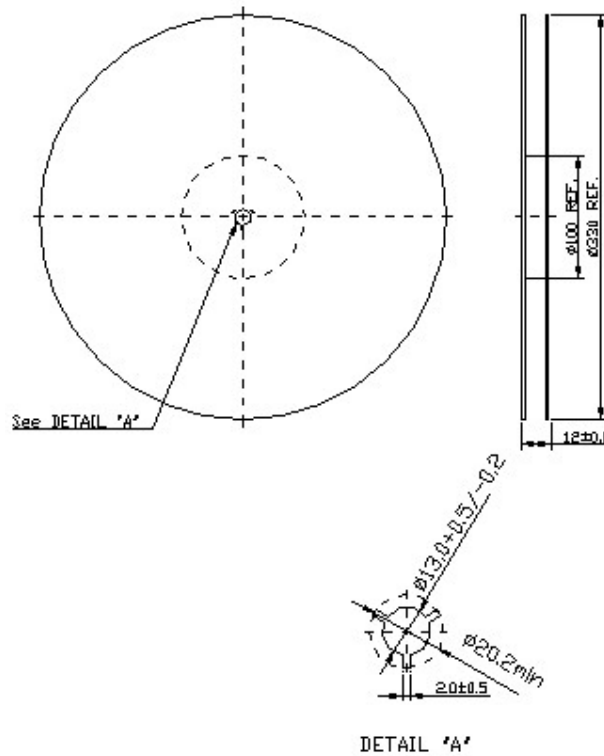
F . PCB FOOTPRINT:



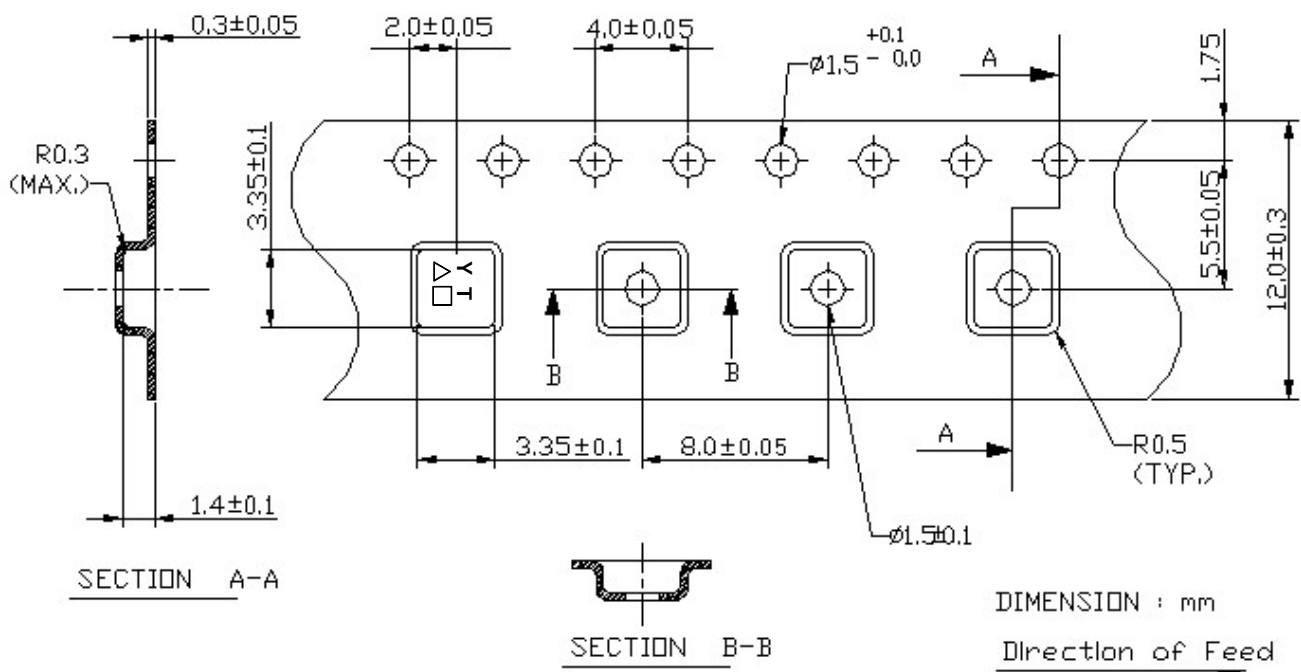
G. PACKING:

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.

