



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 925.4 MHz SMD 3.0X3.0 mm

TST Parts No.: TA2044A

Customer Parts No.: _____

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

Checked by: _____ Sam Lin *Sam Lin*

Approval by: _____ Andy Yu *Andy Yu*

Date: _____ 2017/12/12

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 925.4 MHz

MODEL NO.:TA2044A

REV. NO.:2.0

A. MAXIMUM RATING:

1.Input Power Level: 13 dB_m

2.DC voltage: 6 V

3.Operating Temperature: : -30°C to +70°C

4.Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

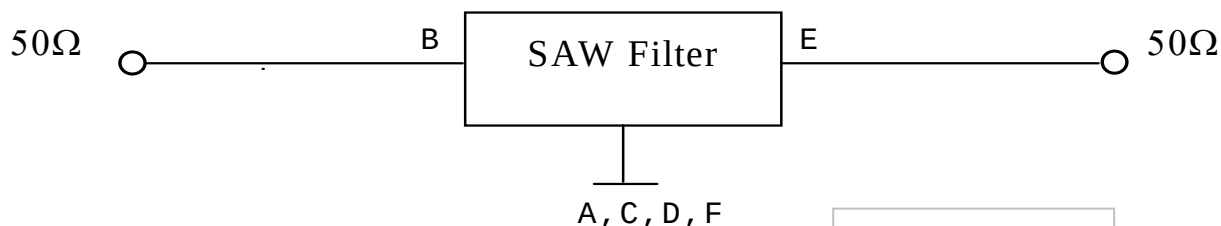
Electrostatic Sensitive
Device

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center Frequency	MHz	-	925.4	-
Insertion loss (923.3 ~ 927.5 MHz)	dB	-	3.2	5.0
Amplitude ripple (923.3 ~ 927.5 MHz)	dB	-	0.6	1.2
VSWR (923.3 ~ 927.5 MHz)	dB	-	1.4	2.2
Attenuation (Reference level from 0 dB)				
10 ~ 791 MHz	dB	45	55	-
791 ~ 875 MHz	dB	40	50	-
857 ~ 915 MHz	dB	30	40	-
935 ~ 943 MHz	dB	35	38	-
943 ~ 1000 MHz	dB	45	55	-
1000 ~ 2000 MHz	dB	30	40	-
Temperature Coefficient of Frequency	ppm/k	-	-36	-

C. MEASUREMENT CIRCUIT:

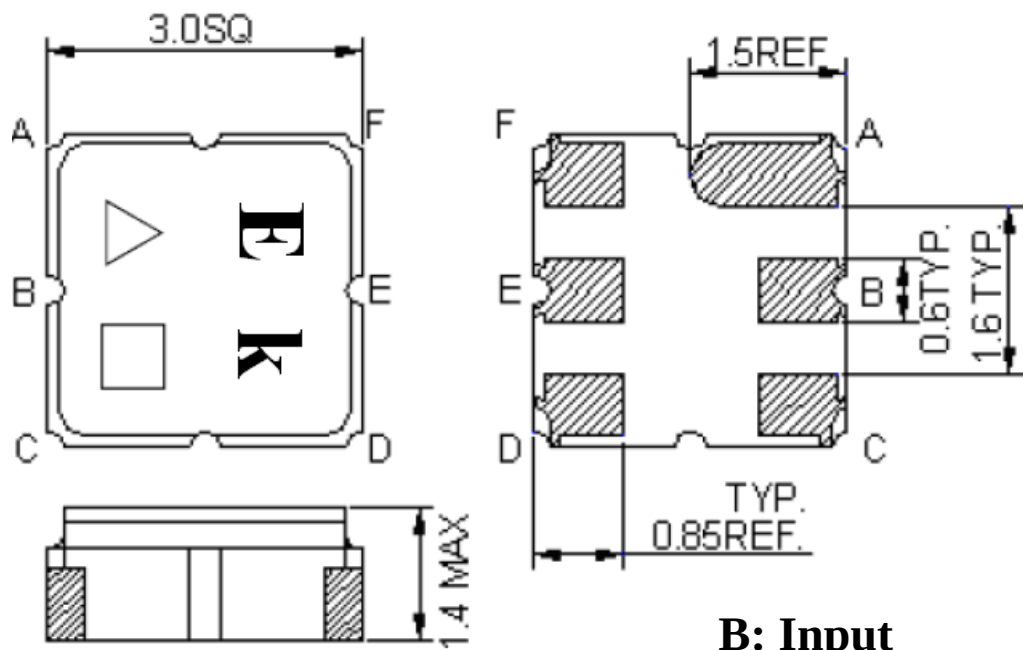
HP Network analyzer



TAI-SAW TECHNOLOGY CO., LTD.

TST DCC
Release document

D.OUTLINE DRAWING:



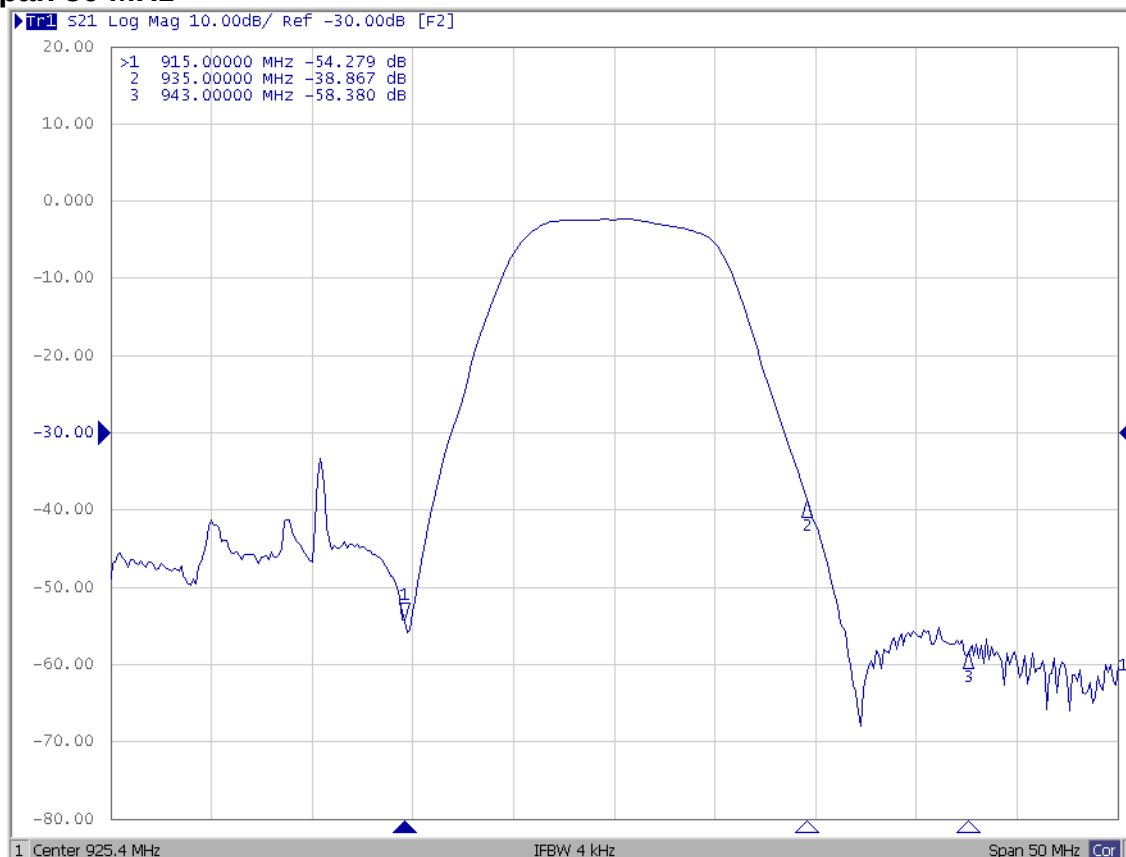
B: Input
E: Output
A, C, D, F: Ground
Unit: mm

$\triangle$: Year Code (2009->9, 2010->0,..., 2018->8)
 $\square$: Date Code (Follow the table from planner each year)

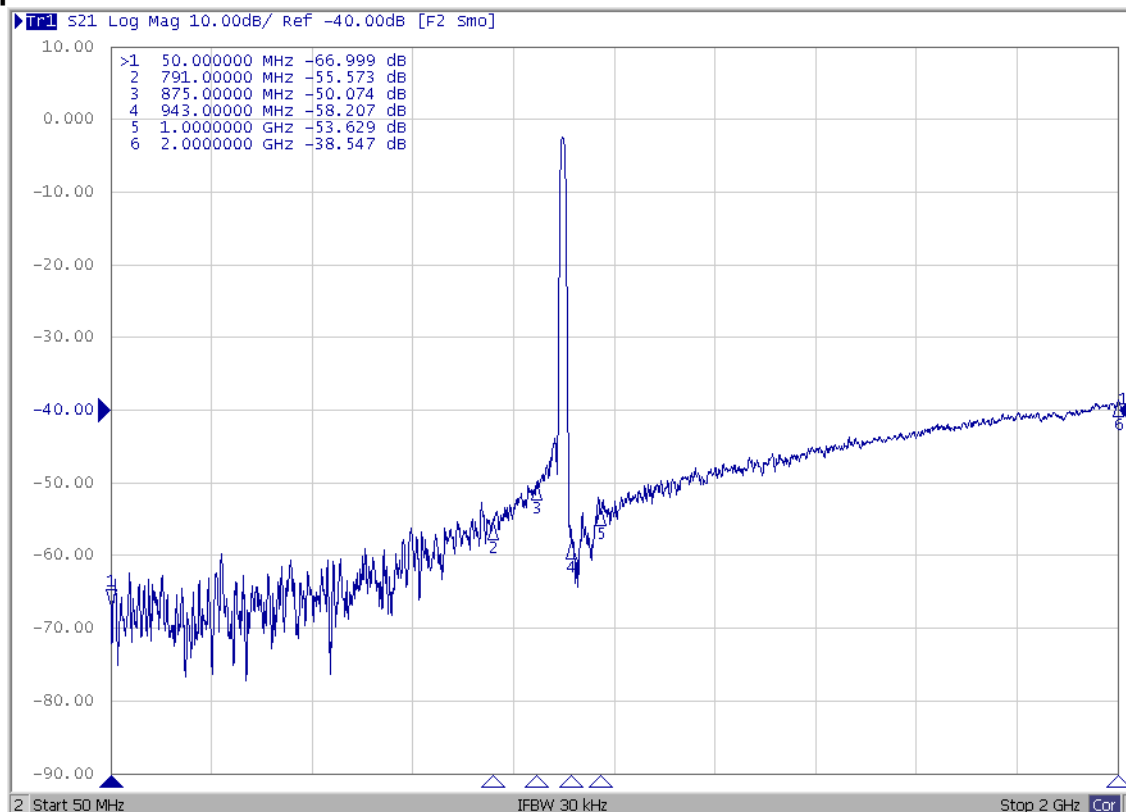
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45	WK46	WK47	WK48	WK49	WK50	WK51	WK52
n	o	p	q	r	s	t	u	v	w	x	y	z

E. Frequency Characteristics :

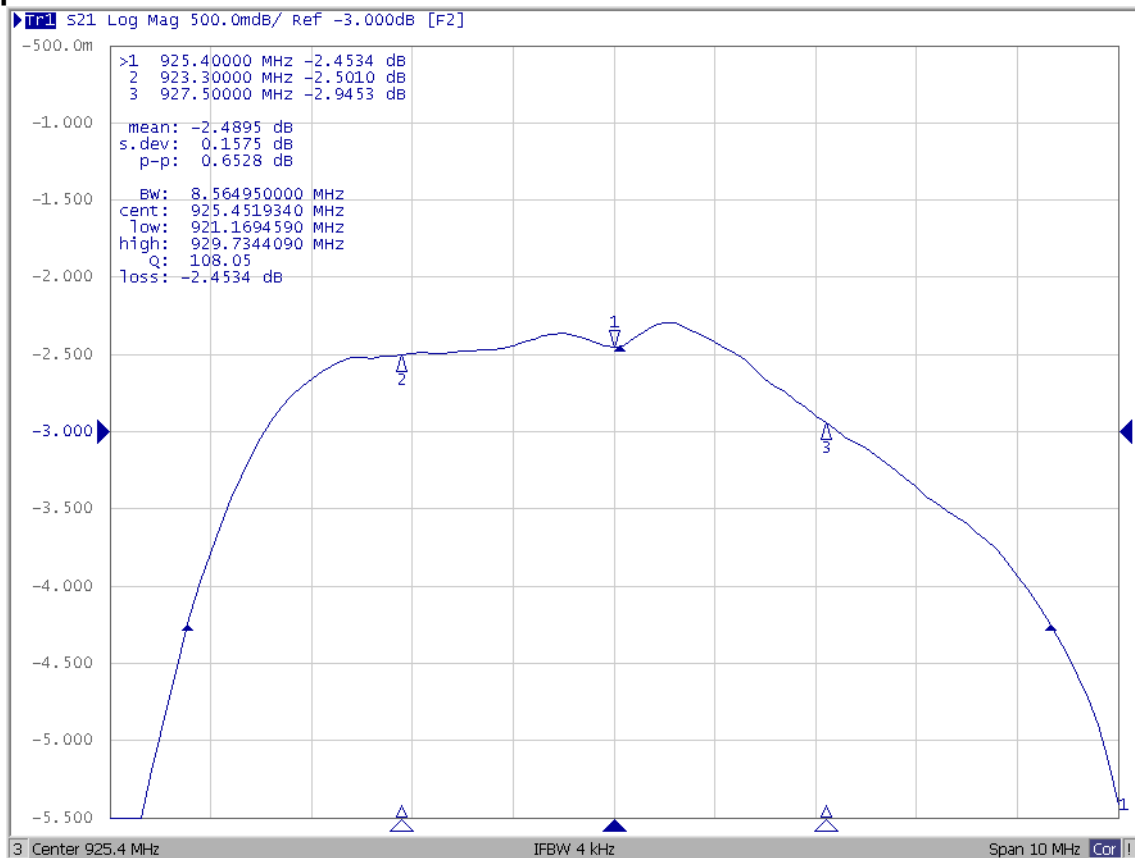
Span 50 MHz



Span 2000 MHz



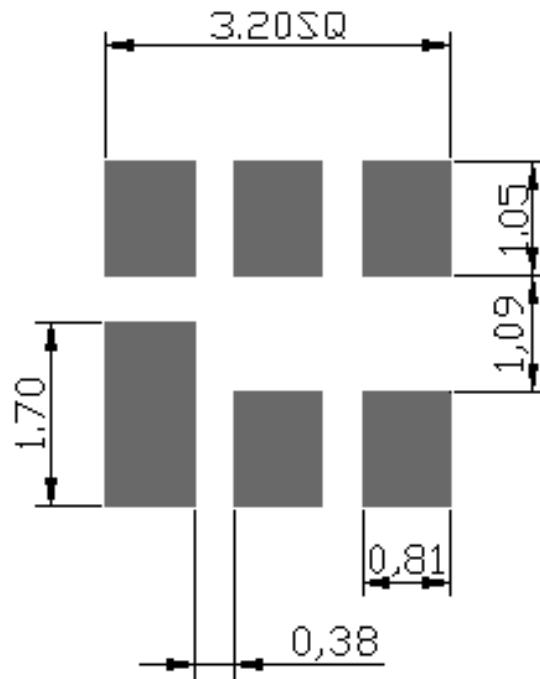
Span 10 MHz



VWSR (Span 10)



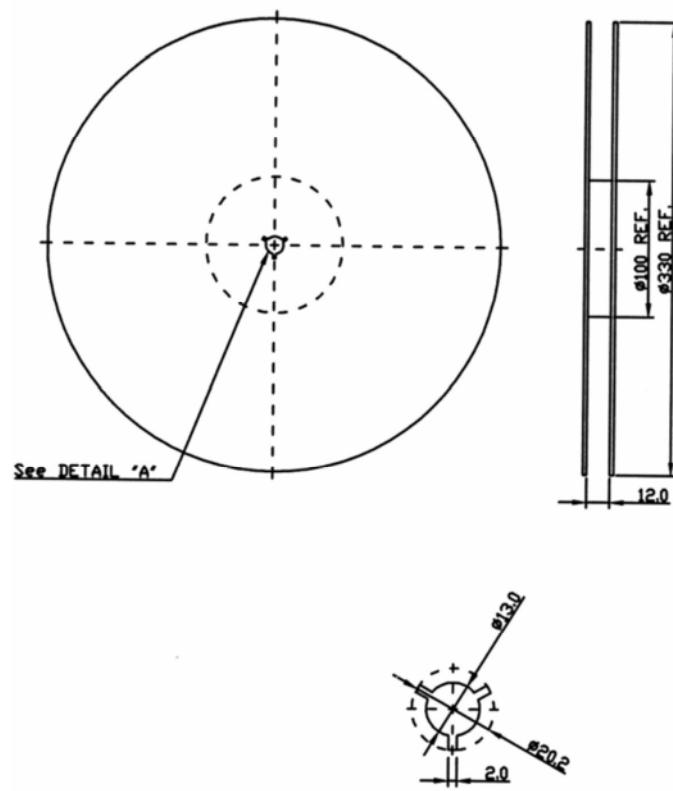
F. PCB FOOTPRINT:



G. PACKING:

1. REEL DIMENSION

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



Technical drawing of a 10-hole punch die. The drawing includes a side view and a top view. The side view shows a cylindrical body with 10 holes. The top view shows the layout of the holes and the punch. Dimensions are given in millimeters.

Dimensions and Callouts:

- Overall length: 12.00 ± 0.3
- Overall diameter: $\phi 1.50^{+0.1}_0$
- Distance between hole centers: 4.00 ± 0.1
- Distance from center to first hole: 2.00 ± 0.05
- Distance from center to last hole: 2.00 ± 0.05
- Distance from center to punch: 4.00
- Punch diameter: $\phi 1.6 \pm 0.1$ DIA
- Distance from center to punch: A_0 3.30
- Distance from center to punch: K_0 1.40 ± 0.1
- Distance from center to punch: B_0 3.30 ± 0.1
- Distance from center to punch: 0.25
- Distance from center to punch: 1.75 ± 0.1
- Distance from center to punch: 5.50 ± 0.05
- Direction of Feed: Indicated by an arrow pointing right.

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.

