



TAI-SAW TECHNOLOGY CO., LTD.

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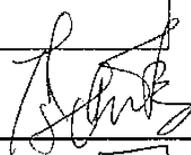
Product Specifications Approval Sheet

Product Name: 38.9 MHz 1.0MHz BW 13.8x4.6mm Plastic DIP SAW IF Filter

TST Parts No.:TB0612A

Customer Parts No.: _____

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Kazuma Lee 

Approval by: _____ Francis Chen 

Date: _____ 01 / 28 / 2013

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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IF SAW Filter 38.9 MHz

MODEL NO.: TB0612A

REV. NO.:3

A. FEATURES:

1. IF Filter for Digital TV



B. MAXIMUM RATING:

Electrostatic Sensitive Device

Operating Temperature Range	T _A	-25~65		
Storage Temperature Range	T _{stg}	-40~85		
DC voltage	V _{DC}	12	V	Between any terminals
AC voltage	V _{PP}	10	V	Between any terminals

C. ELECTRICAL CHARACTERISTICS:

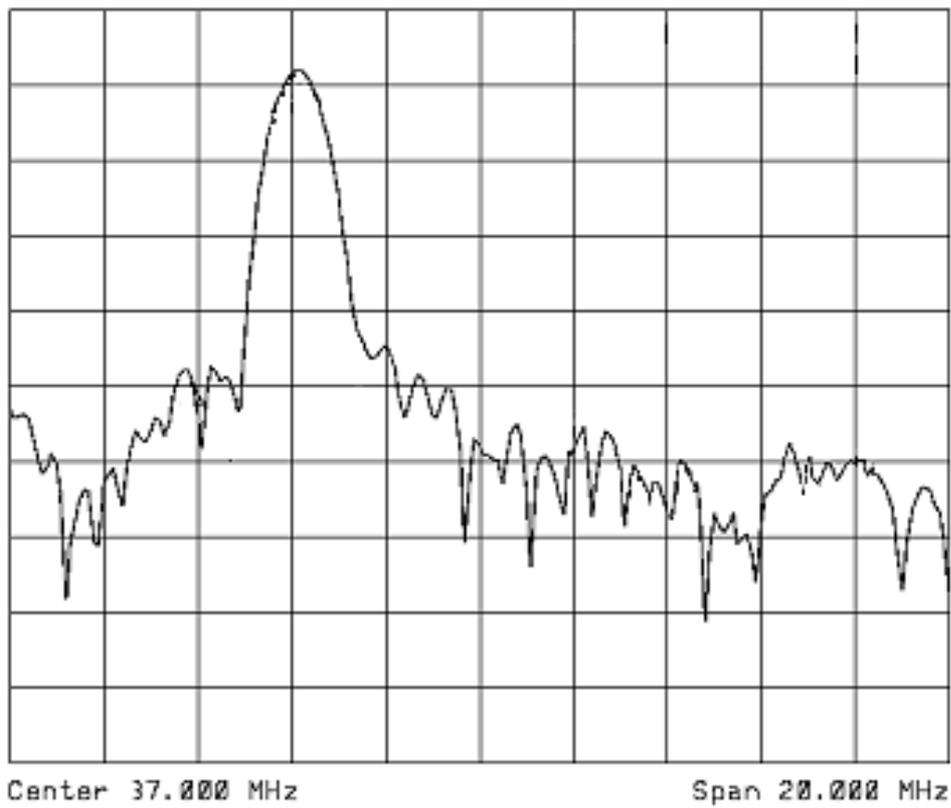
Reference temperature: Ta=25

Terminating source impedance Z_S=50

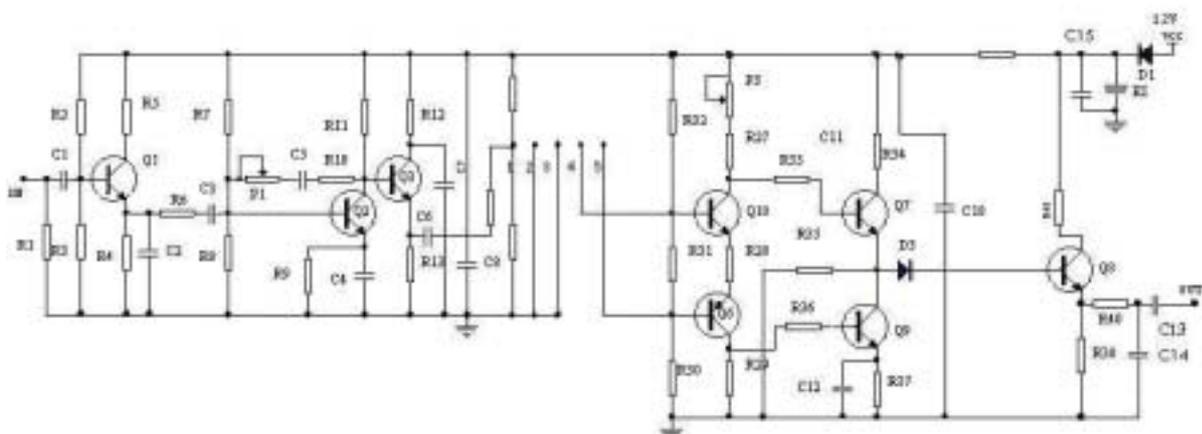
Terminating load impedance Z_L=2k //3 pF

FREQUENCY(MHz)		VALUE			unit
		Min	Typ.	Max.	
Insertion attenuation	33.05 MHz	8.2	10.2	12.2	dB
Reference Frequency	33.05 MHz		0		
Picture carrier	38.90 MHz	40.0	50.0	-	dB
Color carrier	34.47MHz	26.0	32.0	-	dB
Sound carrier	33.40MHz	-0.6	1.4	3.4	dB
Adjacent picture carrier	30.90 MHz	31.0	35.0	-	dB
	31.90 MHz	30.0	37.0	-	dB
Adjacent sound carrier	40.40 MHz	40.0	48.0	-	dB
	41.40 MHz	40.0	46.0	-	dB
Lower sidelobe:	25.00-31.90 MHz	30.0	35.0	-	dB
Upper sidelobe:	40.40-45.00 MHz	37.0	42.0	-	dB
Reflected wave signal suppression		42.0	48.0	-	dB
Feedthrough signal suppression		50.0	55.0	-	dB
Group delay predistortion (reference frequency 38.90MHz)		-	-65	-	ns
	36.50MHz				
	34.47MHz	-	0	-	ns
Impedance at 37.40 MHz					
Input Impedance			1.1 18.4		kΩ pF
Output Impedance			1.6 4.1		kΩ pF
Temperature coefficient	TC	-	-72	-	ppm/K

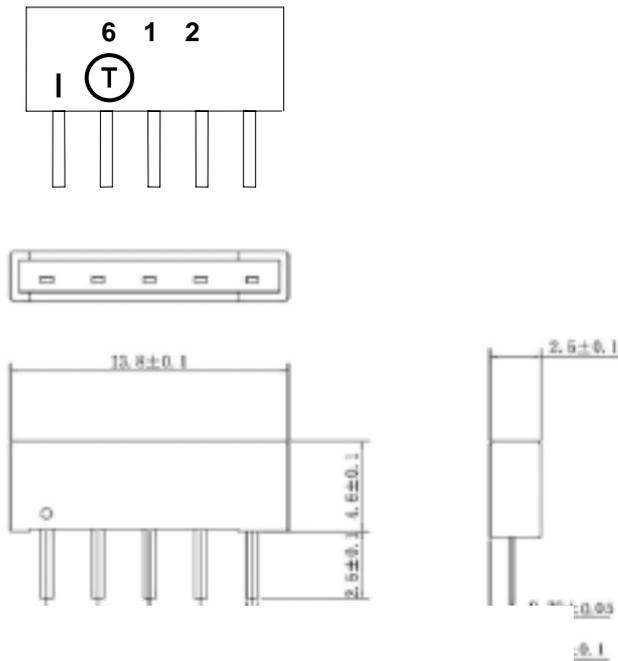
D.FREQUENCY CHARACTERISTICS:



E.TEST CIRCUIT



E. Outline Drawing:



- | | |
|---------|-----------------------|
| Pin No. | Functions |
| 1. | Input |
| 2. | Input - ground |
| 3. | Chip carrier - ground |
| 4. | Output |
| 5. | Output |
| | : Week Code |
| | : Product / Year Code |

Product Code Table

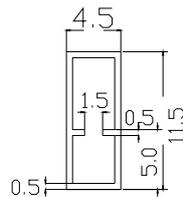
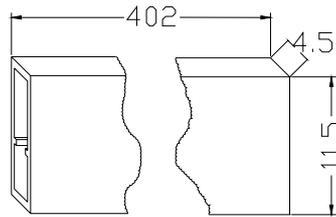
Year	2009 2013	2010 2014	2011 2015	2012 2016
Product Code	B	b	<u>B</u>	<u>b</u>

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

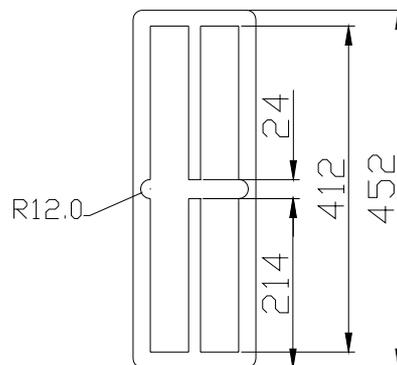
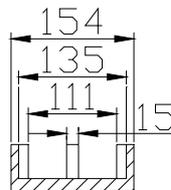
G. PACKING:

1. A plastic tube contains 28PCS saw filters.

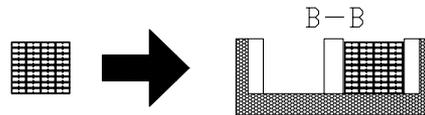
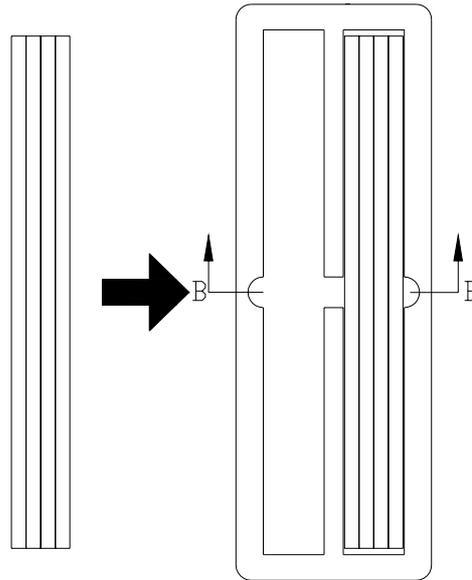


2. double-trough Styrofoam (1:2)

The plastic tubes were be placed in the double-trough Styrofoam. One trough contains 1000PCS saw filters, so a double-trough Styrofoam can contains 2000PCS saw filters.

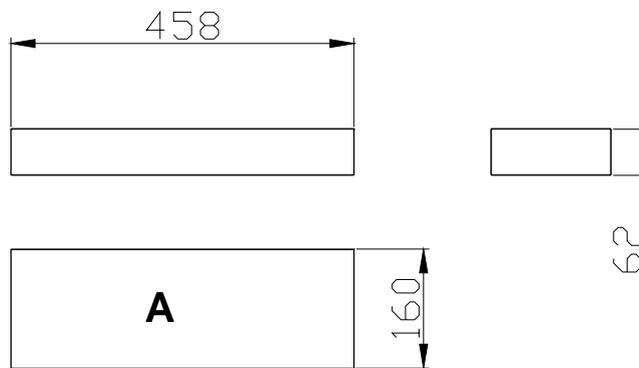


3. Plastic tube in double-trough Styrofoam view(1:2)



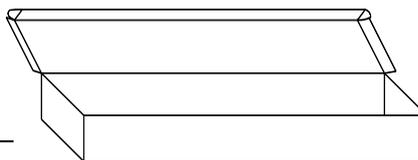
4. Inner carton box (1:4)

An inner carton box contains one double-trough Styrofoam.



Bottom left corner
of A:

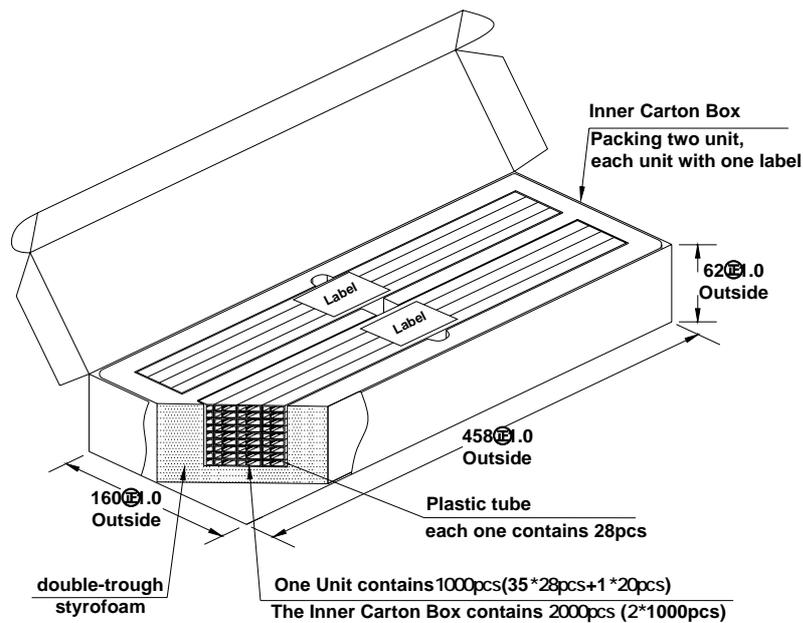
TYPE _____
QUANTITY _____



Top right corner
of A:

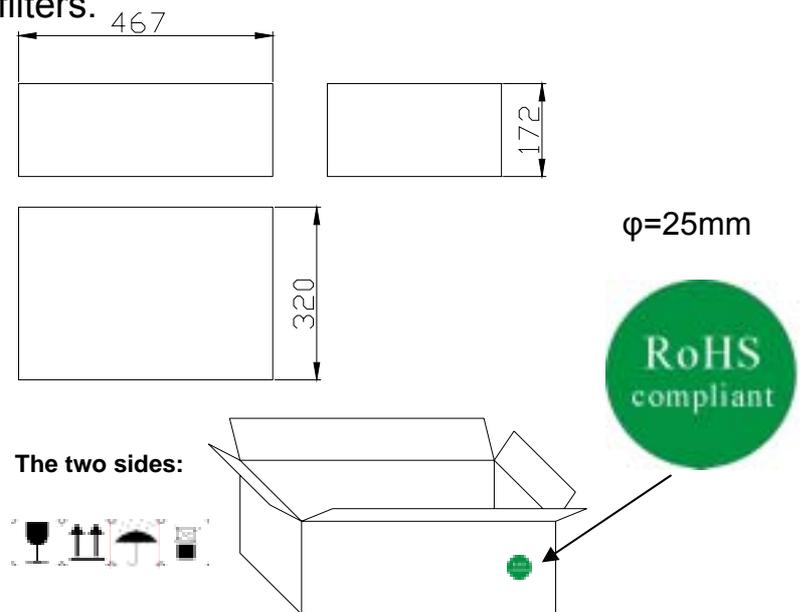


5. Inner carton box view



6. Outer carton box (1:4)

A outer carton box contains four inner carton boxes, so one outer carton box contains 8000PCS saw filters.



The exterior packing should be marked with description of goods, lot number, effective seal, date of leaving factory and quantity. Make sure the goods not damaged during transportation and storage. (Put suitable filling in the packing cartons)

Storage condition after packing

1. Storage temperature:-10 ~+40
2. Storage humidity:40%~70%
3. Using deadline: 2 year after purchasing
4. Soldering Ability should be checked if over the using deadline

H. RECOMMENDED REFLOW PROFILE_:

