



TAI-SAW TECHNOLOGY CO., LTD.

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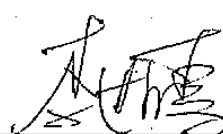
Product Specifications Approval Sheet

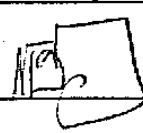
Product Name: 36.125 MHz 8MHz BW 14.8x5.8mm Plastic DIP SAW IF Filter

TST Parts No.: TB0645A

Customer Parts No.: _____

| |
|---------------------|
| Company: _____ |
| Division: _____ |
| Approved by : _____ |
| Date: _____ |

Checked by: _____ Kazuma lee 

Approval by: _____ Francis Chen 

Date: _____ 12/11/2012

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 36.125 MHz BW 8MHz 14.8x5.8mm TV Filter

MODEL NO.: TB0645A

REV. NO.:4

A. FEATURES:

1. IF Filter for Digital TV

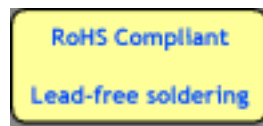
B. MAXIMUM RATING:

1. DC voltage: 12 V.

2. AC voltage: 10 V.

3. Storage Temperature: -40°C to +85 °C.

4. Operating Temperature: -25 °C to +65 °C

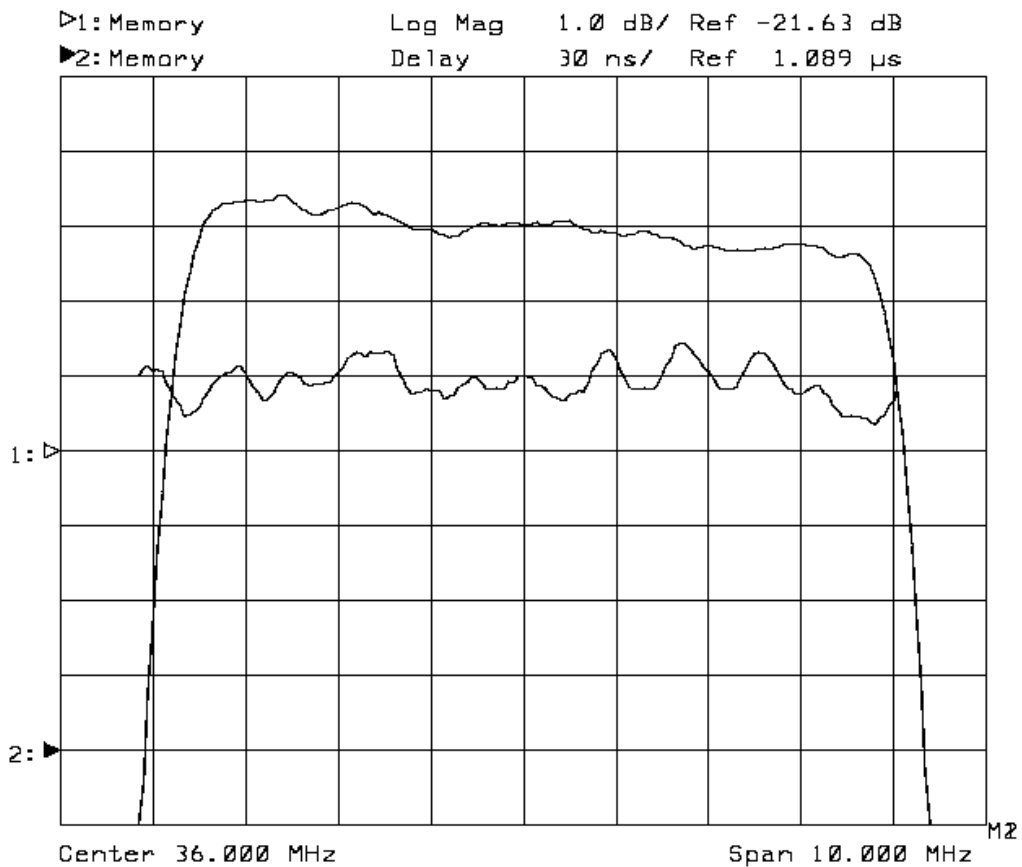
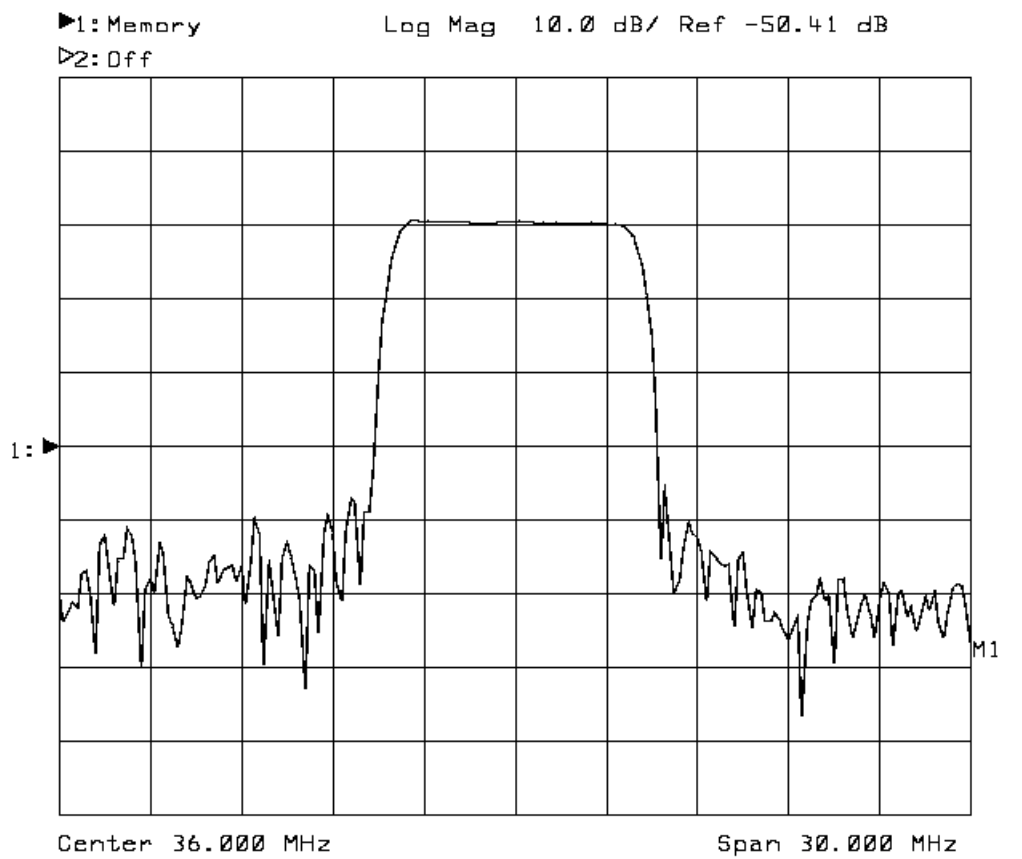


Electrostatic Sensitive Device

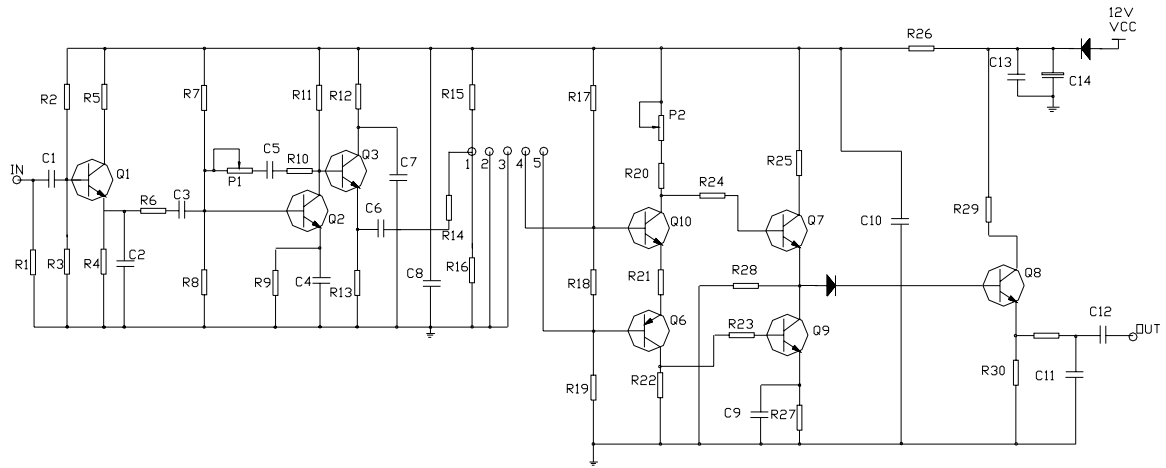
C. ELECTRICAL CHARACTERISTICS:

| | MIN. | TYP. | MAX. | |
|---|-------|-----------|-------|-----------------|
| Center frequency f_c Center frequency between 3dB point | 36.05 | 36.125 | 36.20 | MHz |
| Insertion attenuation Reference level for the Following data 36.125 MHz | 17.8 | 20.3 | 22.8 | dB |
| Amplitude ripple 32.65-39.60 MHz | - | 0.5 | 1.0 | dB |
| 3dB Pass Bandwidth | 7.6 | 8.0 | 8.4 | MHz |
| 30dB Pass Bandwidth | 9.0 | 9.4 | 9.8 | MHz |
| 31.25 MHz | 35.0 | 40.0 | - | dB |
| 32.13 MHz | 1.6 | 3.1 | 4.6 | dB |
| 32.32 MHz | -0.5 | 1.0 | 2.5 | dB |
| 39.93 MHz | 0.5 | 2.0 | 3.5 | dB |
| 40.13 MHz | 2.7 | 4.2 | 5.7 | dB |
| 47.25 MHz | 42.0 | 47.0 | - | dB |
| Lower side lobe 25.00 to 29.50 MHz | 36.0 | 42.0 | - | dB |
| 29.50 to 31.25 MHz | 32.0 | 38.0 | - | dB |
| Upper side lobe 40.90 to 43.50 MHz | 32.0 | 38.0 | - | dB |
| 43.50 to 50.00 MHz | 36.0 | 44.0 | - | dB |
| Reflected Wave Signal Suppression | 42.0 | 52.0 | | dB |
| Feed through Signal Suppression | 50.0 | 56.0 | | dB |
| Group delay ripple 32.13 ... 40.13 MHz | - | -40 | - | ns |
| Impedance at 36.125 MHz Input Impedance | - | 3.9 14.1 | - | K Ω pF |
| Output Impedance | | 2.4 4.4 | | K Ω pF |
| Temperature Coefficient of frequency | - | -72.0 | - | ppm/K |

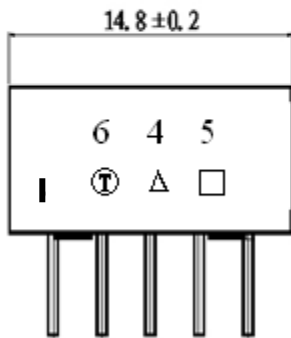
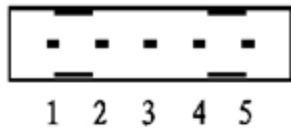
D. FREQUENCY CHARACTERISTICS:



E. TEST CIRCUIT



F. 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 | 2005 2009 | 2006 2010 | 2007 2011 | 2008 2012 |
| Product Code | B | b | <u>B</u> | <u>b</u> |

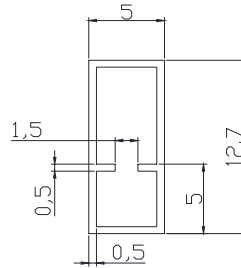
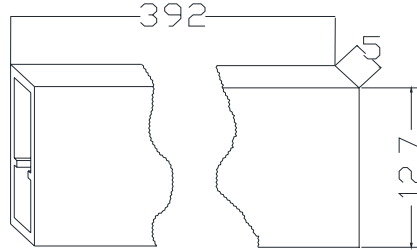
Week Code Table

| | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 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

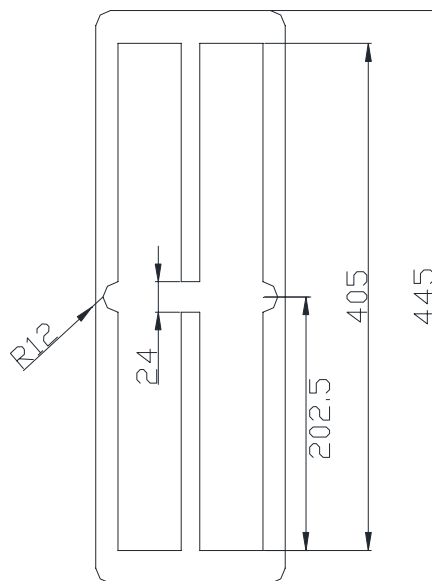
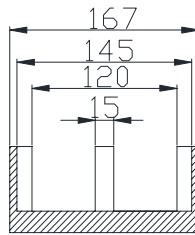
1 Plastic tube (1:5)

A plastic tube contains 25PCS saw filters.

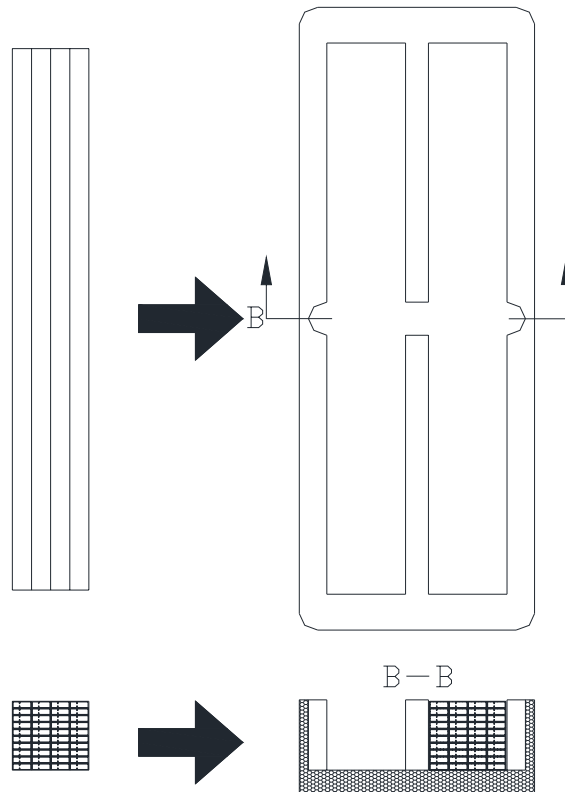


2 .double-trough Styrofoam (1:2)

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.

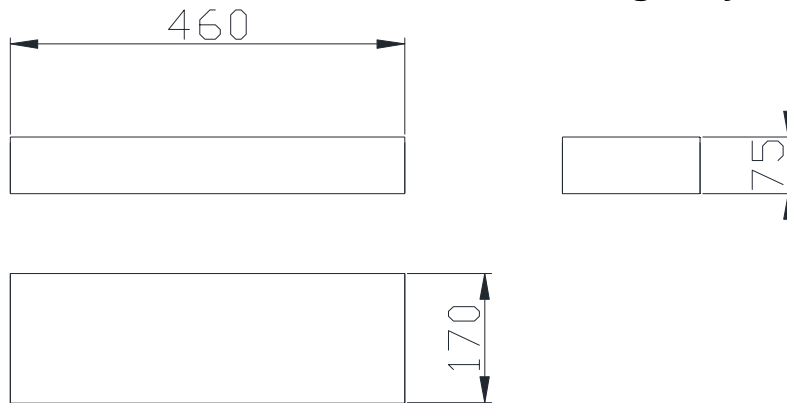


3. Plastic tube in double-trough Styrofoam view(1:2)

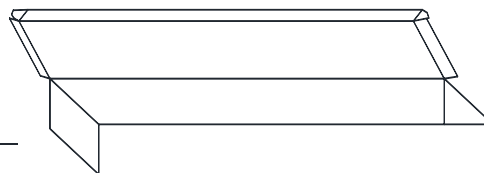


4. Inner carton box (1:4)

An inner carton box contains one double-trough Styrofoam.



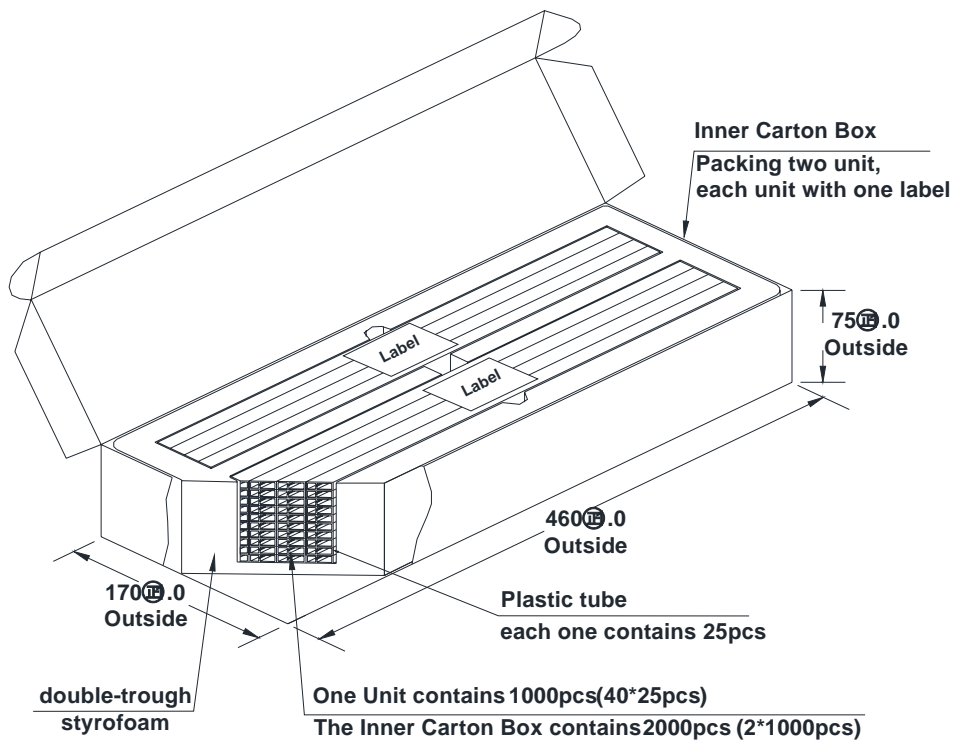
Bottom left corner
of A:
TYPE _____
QUANTITY _____



Top right corner
of A:

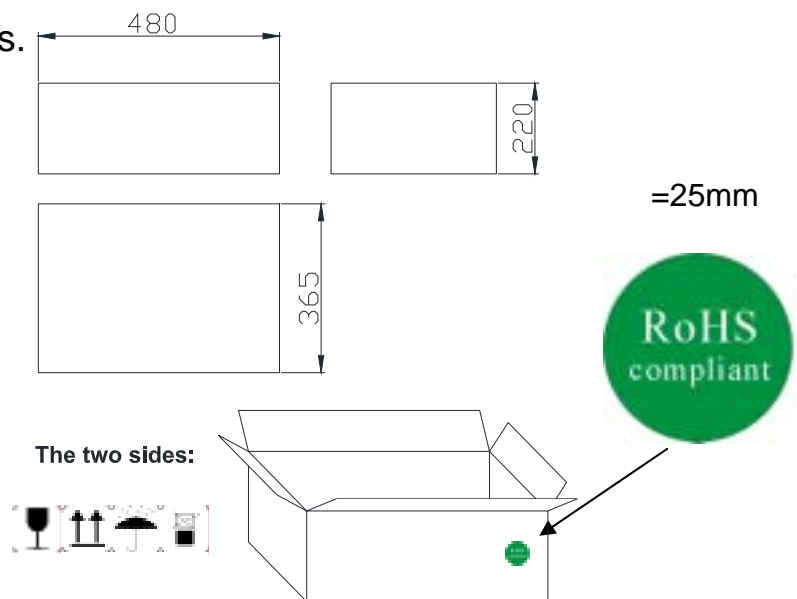


5.Inner carton box view



6.Outer carton box (1:4)

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



Storage condition after packing

1. Storage temperature:-10 ~+40
2. Storage humidity:40%~70%
3. Using deadline: 2 year after purchasing

Soldering Ability should be checked if over the using deadline

I. RECOMMENDED REFLOW PROFILE :

