**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

# Product Specifications Approval Sheet

**Product Description:** SAW Filter 433.92MHz SMD3.0X3.0mm

**TST Parts No.:** TA0322B

**Customer Parts No.:**_____

Customer signature required

**Company:** _____

**Division:** _____

**Approved by :** _____

**Date:** _____

**Checked by:** Marco Huang Marco Huang

**Approval by:** Bob Chau

**Date:** 2015/03/13

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 433.92 MHz

MODEL NO.: TA0322B REV. NO.:2

A. MAXIMUM RATING:

1.Input Power Level: 10 dBm

2.DC voltage: 3 V

3.Operating Temperature: -40°C to +125°C

4.Storage Temperature: -40°C to +125°C

RoHS Compliant
Lead free
Lead-free soldering

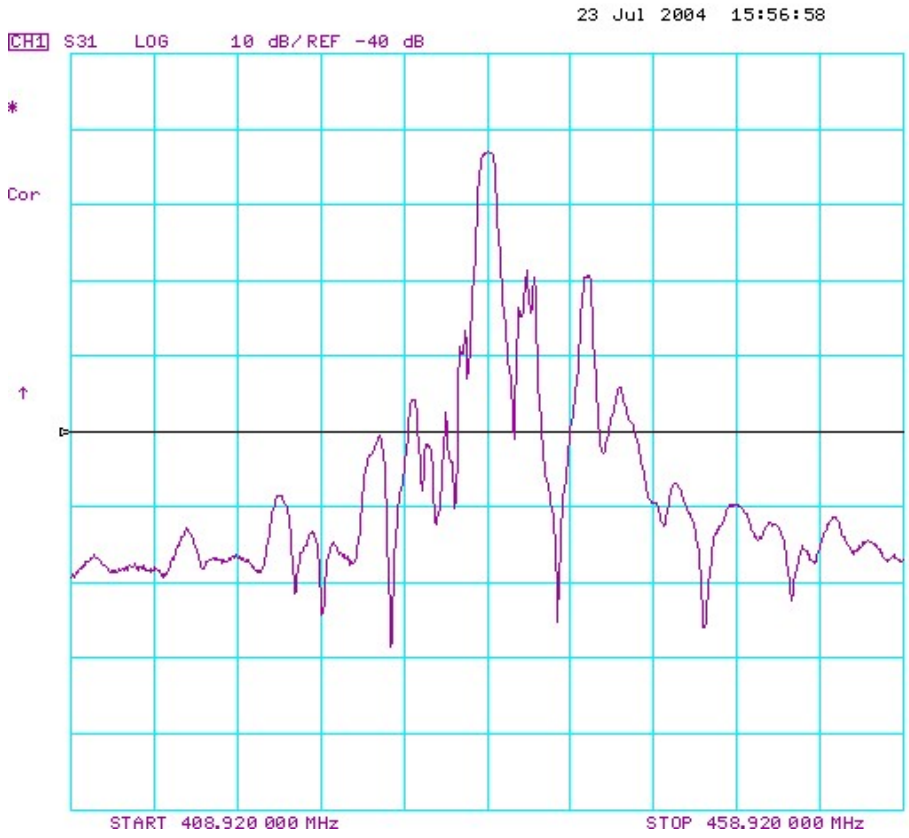
**E**lectrostatic **S**ensitive **D**evice

B. ELECTRICAL CHARACTERISTICS:

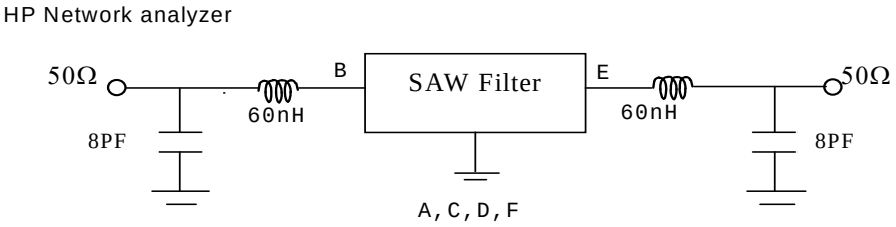
| Item | Min. | Typ. | Max. | Note |
|---|---|---|---|---|
| Center frequency $F_C$ (MHz) | - | 433.92 | - | 1 |
| Minimum **I.L.** (dB) $IL_{min}$ | - | 3.0 | 4.5 | |
| Pass band (relative to $IL_{min}$)<br>433.67~434.17 MHz (dB) | -<br>- | <br>0.7 | <br>3.0 | 1 |
| Pass bandwidth (relative to $IL_{min}$) $BW_3$ (KHz) | 500 | 950 | - | |
| Attenuation:( relative to $IL_{min}$) (dB )<br>10~412.52 MHz (dB )<br>412.52~423.22 MHz (dB )<br>423.22~432.92 MHz (dB )<br>434.92~444.62 MHz (dB )<br>444.62~455.32 MHz (dB )<br>455.32~1000 MHz (dB ) | <br>47<br>40<br>15<br>10<br>38<br>43 | <br>52<br>45<br>22<br>15<br>43<br>48 | <br>-<br>-<br>-<br>-<br>-<br>- | 1 |
| Impedance at $F_C$ ; Input $Z_{IN}=R_{IN}//C_{IN}$<br>Output $Z_{OUT}=R_{OUT}//C_{OUT}$ | 865Ω // 2.5 pF<br>865Ω // 2.5 pF | | | |
| Turnover To (deg.C) | | | | |

Note1. The standard definitions is in JIS C 6703

C.FREQUENCY CHARACTERISTICS:

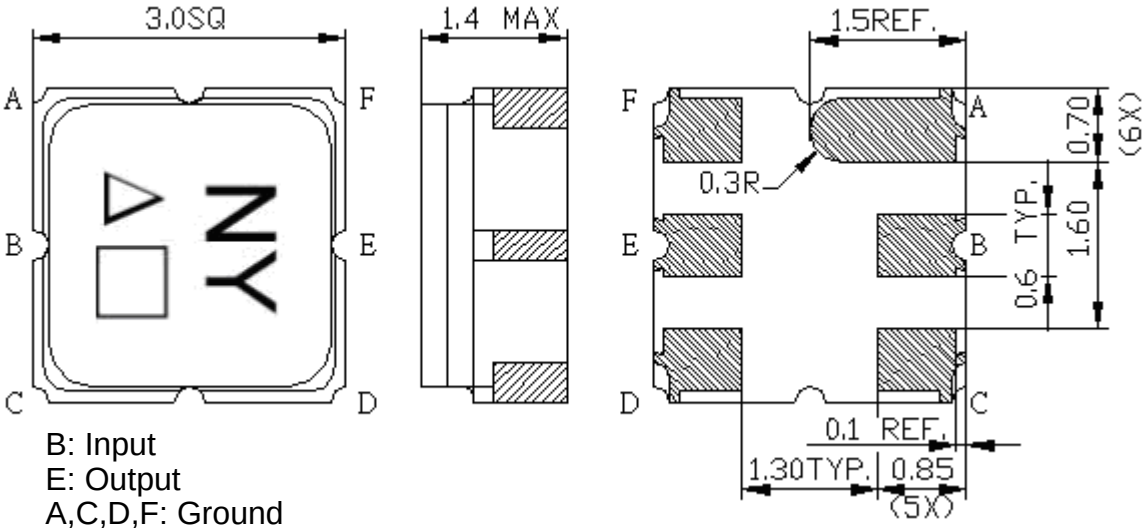



D. MEASUREMENT CIRCUIT:




Matching inductance: from Coilcraft

E.OUTLINE DRAWING:

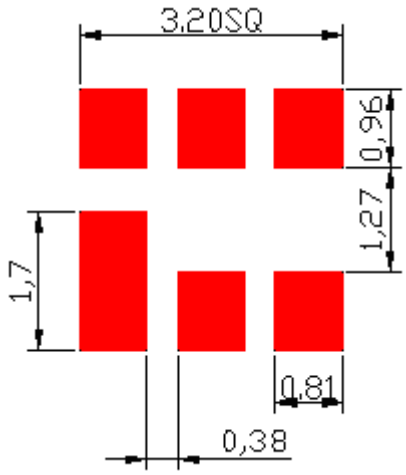



B: Input
E: Output
A,C,D,F: Ground
△: Year code(8 for 2008,9 for 2009,…)
□: Date code (Provided by planer each year)
Unit: mm

□: Date code

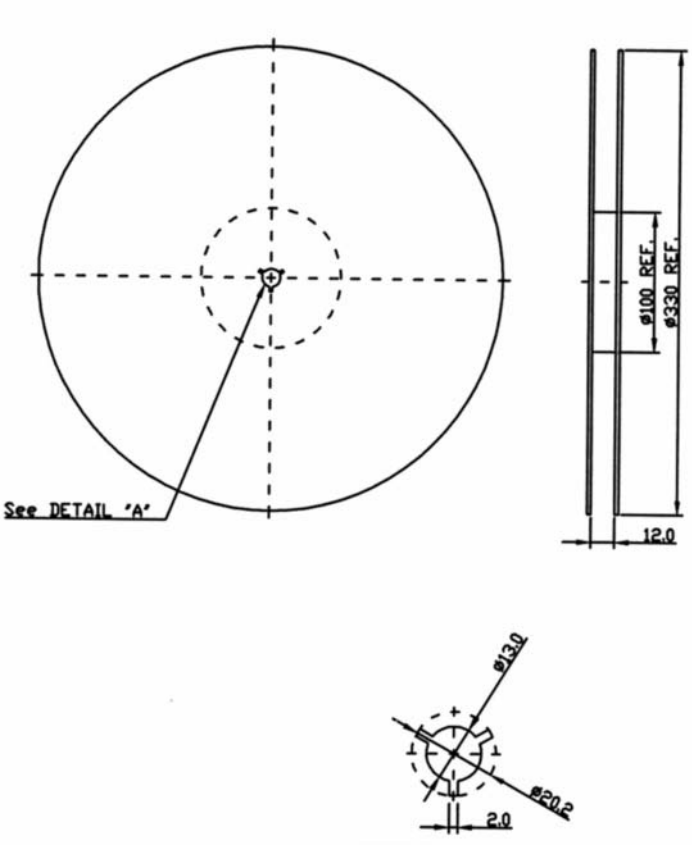
| WK01 | WK02 | WK03 | WK04 | WK05 | WK06 | WK07 | WK08 | WK09 | WK10 | WK11 | WK12 | WK13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A | B | C | D | E | F | G | H | I | J | K | L | M |
| WK14 | WK15 | WK16 | WK17 | WK18 | WK19 | WK20 | WK21 | WK22 | WK23 | WK24 | WK25 | WK26 |
| N | O | 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

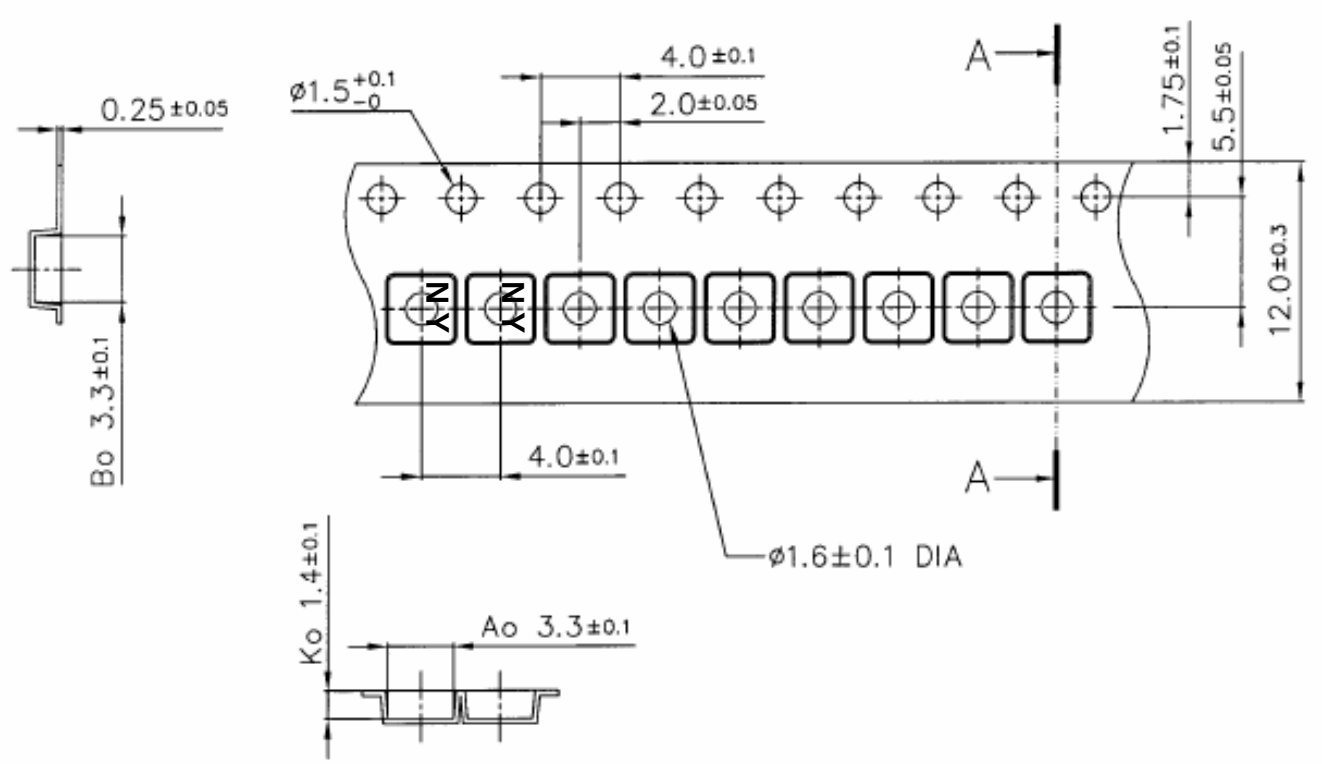



G. PACKING:

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℃ for 60~90 seconds.
2. Ascending time to preheating temperature 150℃ shall be 30 seconds min.
3. Heating shall be fixed at 220℃ for 50~80 seconds and at 245~260℃ peak (min. 10sec).
4. Time : 2 times.