

# 请承认书

样品编号: V1.2

常州声翔电子有限公司  
Changzhou TDA<sup>®</sup> Electronic Co., LTD

客户名称

CUSTOMER NAMED : \_\_\_\_\_

产品名称

COMMODITY : Buzzer

产品型号

MODEL NO : TDA-272-1300Hz

客户料号

PART NO : \_\_\_\_\_

审核

徐青梅

主办

冯静 15/11/19

## 客户承认栏

承认

拒收

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美国销售部(USA SALE OFFICE):

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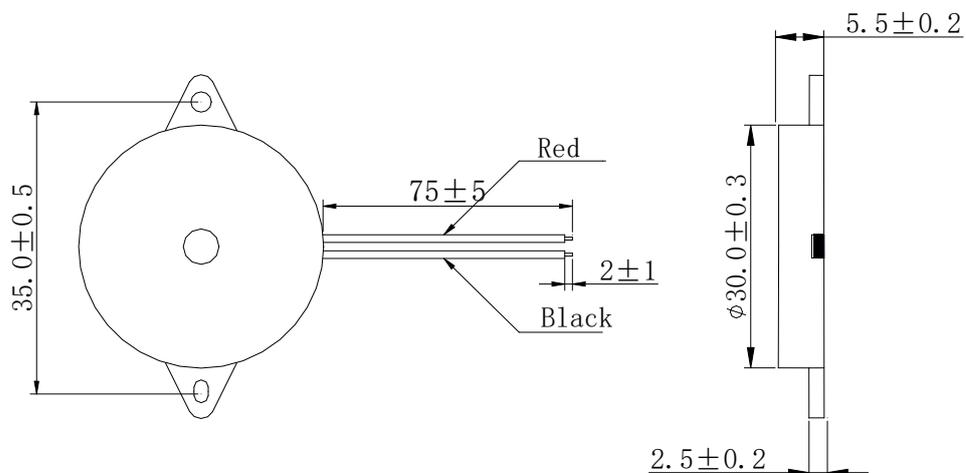
## A. SCOPE

This specification applies piezo buzzer, **TDA-272-1300Hz**

## B. SPECIFICATION

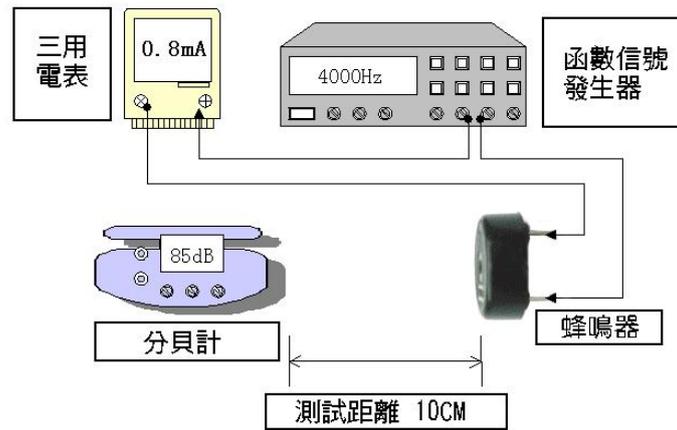
| No. | Item                                | Unit | Specification | Condition              |
|-----|-------------------------------------|------|---------------|------------------------|
| 1   | Oscillation Frequency               | Hz   | 1300          | square wave            |
| 2   | Operating Voltage                   | Vp-p | 3~25 max      |                        |
| 3   | Capacitance                         | pF   | /             | at120Hz                |
| 4   | Current Consumption                 | mA   | MAX. 2        | at 12Vp-p              |
| 5   | Sound Pressure Level                | dB   | MIN. 80       | at 10cm 12Vp-p 1300Hz  |
| 6   | Insulation Resistance               | MΩ   | 100           | at 1minute 25V         |
| 7   | Operating Temperature               | °C   | -20 ~ +55     |                        |
| 8   | Storage Temperature                 | °C   | -30 ~ +60     |                        |
| 9   | Dimension                           | mm   | 30x5.5        | See appearance drawing |
| 10  | Weight (MAX)                        | gram | 1.5           |                        |
| 11  | Housing Material                    |      | ABS( Black )  |                        |
| 12  | Leading Wire                        |      | UL1571 AWG30# | See appearance drawing |
| 13  | Environmental Protection Regulation |      | RoHS          |                        |

## C. APPEARANCE DRAWING



Unit:mm

## D. Recommend Driving Circuit



## E. MECHANICAL CHARACTERISTICS

| NO | Item                      | Test Condition  | Evaluation standard  |
|----|---------------------------|---|--|
| 1  | Solderability             | Stripped wires of lead wires are immersed in rosin for 5 seconds and then immersed in solder bath of $270\pm 5^{\circ}\text{C}$ for $3\pm 0.5$ seconds.                         | 90%min stripped wires shall be wet with solder.(except the edge of terminal)   |
| 2  | Soldering Heat Resistance | Stripped wires are immersed up to 1.5mm from insulation in solder bath of $300\pm 5^{\circ}\text{C}$ for $\pm 0.5$ seconds or $260\pm 5^{\circ}\text{C}$ for $10\pm 1$ seconds. | No interference in operation   |
| 3  | Terminal Strength Pulling | The force $10\pm 1$ seconds of 9.8N is applied to each terminal in axial direction  | No damage and cutting off  |
| 4  | Vibration                 | Buzzer shall be measured after being applied vibration of 1.5mm with 10 to 55Hz band of vibration frequency to each of 3 per-pendicular directions for 2 hours.                 | The value of oscillation frequency and current consumption should be in $\pm 10\%$ comlared with initial ones. The SPL should be in $\pm 10\text{dB}$ compared with initial one. |

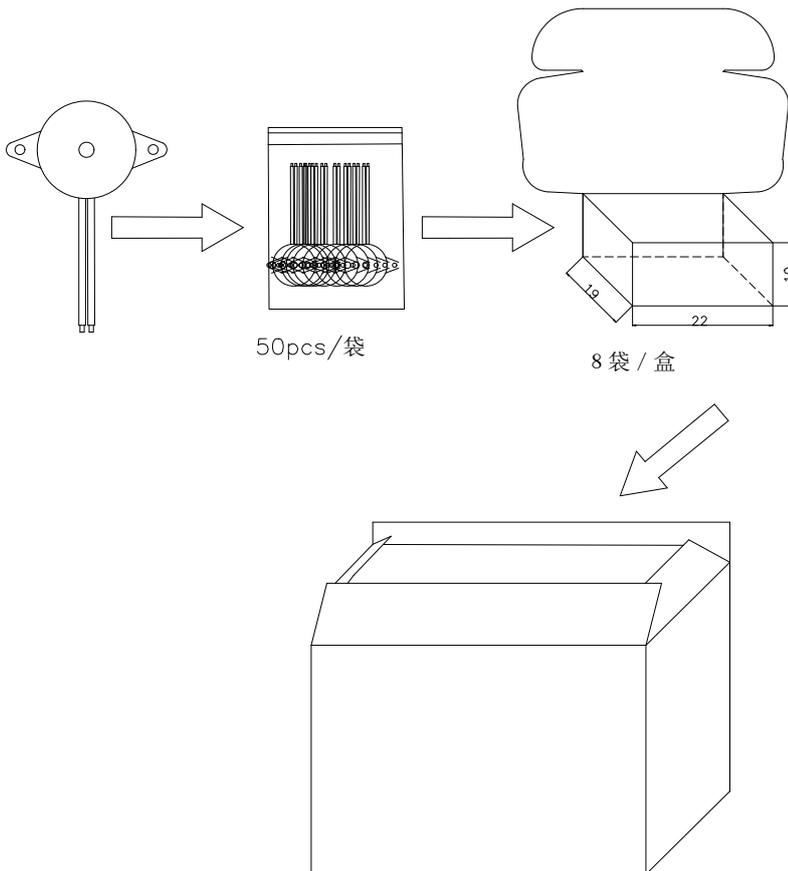
## F. ENVIRONMENT TEST

| NO | Item             | Test Condition  | Evaluation standard  |
|----|------------------|---|--|
| 1  | High temp. test  | After being placed in a chamber at $55^{\circ}\text{C}$ for 96 hours                                  | Being placed for 4 hours at $25^{\circ}\text{C}$ , buzzer shall be measured. The value of oscillation frequency and current consumption should be in $\pm 10\%$ compared with initial one. The SPL should be in $\pm 10\text{dB}$ compared with initial one. |
| 2  | Low temp. test   | After being placed in a chamber at $-20^{\circ}\text{C}$ for 96 hours                                 |  |
| 3  | Humidity test    | After being placed in a chamber at $40^{\circ}\text{C}$ and $85\pm 5\%$ relative humidity for 96hours |  |
| 4  | Temp. cycle test |   |  |

## G. RELIABILITY TEST

| NO | Item                | Test condition  | Evaluation standard   |
|----|---------------------|---|---|
| 1  | Operating life test | 1. Continuous life test<br>96 hours continuous operation at 60°C with maximum rated voltage applied.<br>2. Intermittent life test<br>A duty cycle of 1 minute on, 5 minutes off, a minimum of 1000 times at room temp. (25±2°C) and maximum rated voltage applied | Being placed for 4 hours at 25°C, buzzer shall be measured. The value of oscillation frequency and current consumption should be in ±10% compared with initial one. The SPL should be in ±10dB compared with initial one. |

## H. PACKING STANDARD



NOTE: 50Pcs/bag  
 8 bags / carton  
 10 cartons / box  
 total 4000Pcs per box

