

# SPECIFICATION

## FOR APPRONAL

Customer : \_\_\_\_\_

Product Name : Magnetic Buzzer(Self-drive)

Model Name : VSX129505F23-DAP

Drawing No. : VS20200706013

Signature of Voise

| Approved by | Checkde by | Issued by | Date |
|-------------|------------|-----------|------|
|             |            |           |      |

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|                                   |                  | Revision No. | 1.0         |               |
| Model No.:                        | VSX129505F23-DAP |              | Drawing No. | VS20200706013 |

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### 1. Revision

| Rev.No. | Date      | Page | Description of Revision |
|---------|-----------|------|-------------------------|
| 1.0     | 2014/6/20 |      | Preliminary             |
|         |           |      |                         |
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## 2. Scope

This product specification is applied to the Magnetic Buzzer in alarm systems. Please contact us when using this product for any other applications than described in the above.

## 3. General Characteristics

- 3.1 Out-Diameter : 12 mm
- 3.2 Height : 9.5 mm
- 3.3 Weight : 1.8 g
- 3.4 Operating Temperature : -30~+70°C without loss of function
- 3.5 Store Temperature : -40~+85°C without loss of function

## 4. Electrical and Acoustic Characteristics.

Test condition : 15 ~ 35 °C Temp., 25% ~ 75% RH, 86~106 kPa Refer to IEC60268-1

| No | Items                    | Specification  |
|----|--------------------------|----------------|
| 1  | Rated Voltage            | 5V DC          |
| 2  | Working Voltage          | 4-8V DC        |
| 3  | Max Rated Current        | 30mA/5VDC      |
| 4  | Min Sound Preesure Level | 88dB/5VDC/10cm |
| 5  | Resonant Frequency       | 2.3±0.5KHz     |
| 6  | Tone Nature              | Continuous     |
| 7  | Housing Material         | PBT            |
| 8  | Color                    | Black          |

|                                   |                  |              |             |               |
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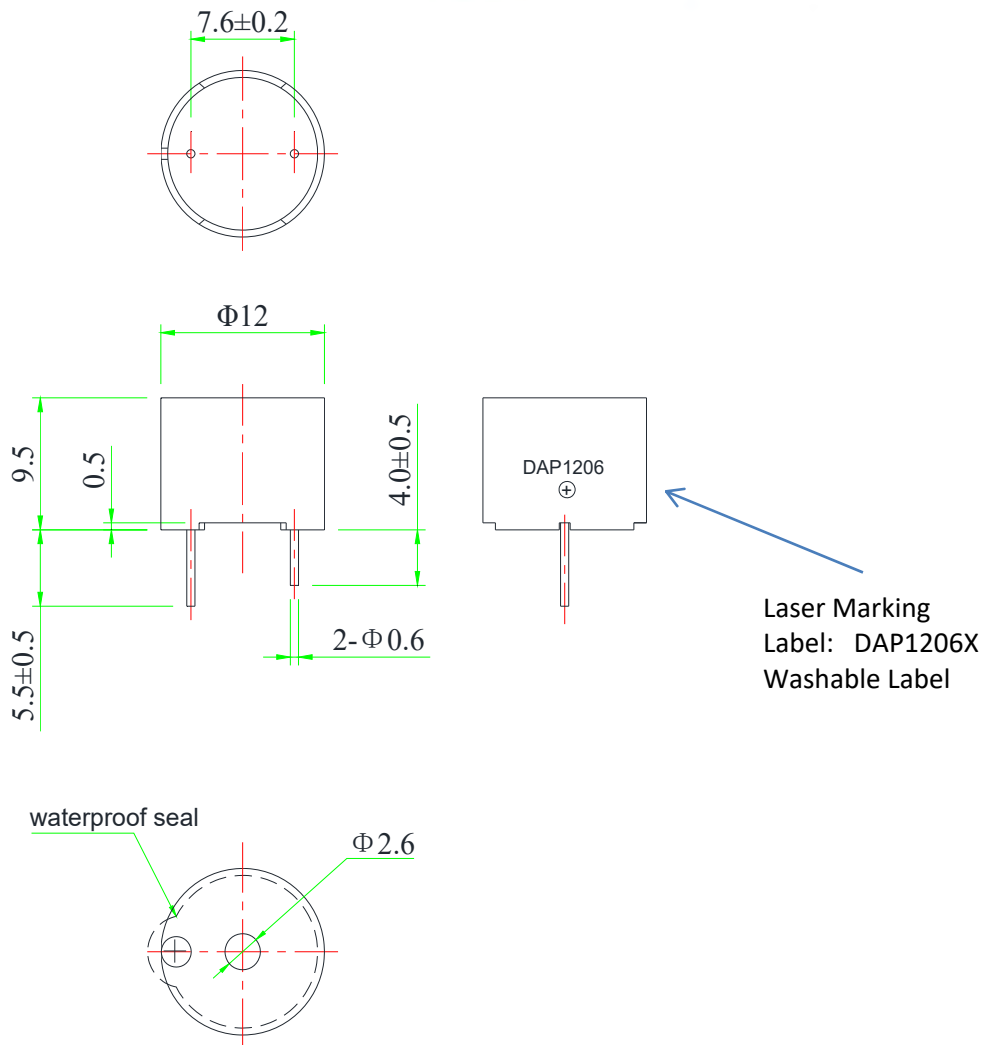
## 5. Reliability Test

After test(1~7item), the buzzer S.P.L . difference shall be within  $\pm 8$ dB, and the appearance not exist any change to be harmful to normal operation

| No | Items                     | Specification   |
|----|---------------------------|---|
| 1  | High Temp.Test            | After being woked in a chamber with $+70\pm 2$ °C for 2h and then being placed in natural condition for 2h, and then check.   |
| 2  | Low Temp.Test             | First being worked in a chamber with $-20\pm 2$ °C for 2h and then being placed in natural conditio for 2h, and then check.   |
| 3  | Humidity Test             | After being placed in a chamber with 90 to 95%R.H. at $+40\pm 2$ °C for 2 h and then being placed in natural condition for 2h ,and then check.  |
| 4  | Thermal Shock Test        | After being worked in a chamber at $+70\pm 2$ °C for 1 hour, then sounder shall be placed in a chamber at $-20\pm 2$ °C for 1 hour(1 cycle is the below diagram).<br>The test duration is for 10 cycle.after being placed in natural condition for 1 hour.and then check. |
| 5  | Vibration Test            | Being applied vibration of amplitude of 1.5mm with 10-30Hz band of vibration frequency,X.Y.Z.3 direction.2 hours each, total 6 hours.   |
| 6  | Drop Test                 | Free drop fram 1.0 meter height to a board 20mm thick hard wood board. and be nothing mechanical damage. tatol 6 times.   |
| 7  | Solderability             | Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of $+260\pm 5$ °C for $3\pm 0.5$ seconds.   |
| 8  | Terminal Strength Pulling | The force 10 seconds of 9.8N is applied go each terminal in axial direction.  |

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## 6. Dimensions



FIRST ANGLE PROJECTION



UNIT : mm  
 Tolerance :  $\pm 0.2$

|                                   |                  |              |               |
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## 7. Packing



1 pcs



1tray=100pcs



1carton=6000pcs



1box=1000pcs



100 pcs per tray  
 5 trays for unit, 12 units per carton  
 Total:6000 pcs per carton  
 Size:520x420x280mm