

SPECIFICATION

FOR APPRONAL

Customer : _____

Product Name : SMD Buzzer _____

Model Name : VS1225PA _____

Drawing No. : VS20210904021 _____

Signature of Voise

Approved by	Checkde by	Issued by	Date



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1. Revision

Rev.No.	Date	Page	Description of Revision
1.0	2021/9/4		Preliminary

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2. Scope

This product specification is applied to the Piezo 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 : 12x12 mm
- 3.2 Height : 2.5 mm
- 3.3 Weight : 0.4 g
- 3.4 Operating Temperature : -40~+80°C without loss of function
- 3.5 Store Temperature : -40~+90°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	5Vp-p
2	Max Working Voltage	25Vp-p
3	Max Rated Current	8mA/5Vp-p/4.1kHz
4	Min Sound Pressure Level	75dB/5Vp-p/10cm
5	Resonant Frequency	4.1kHz
6	Electrostatic capacity	16000±30%pF at 100Hz/1V
7	Housing Material	LCP
8	Color	Black

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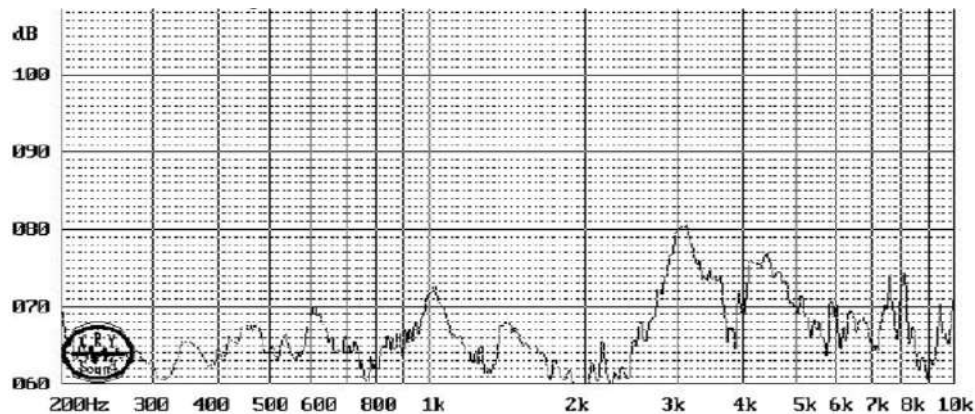
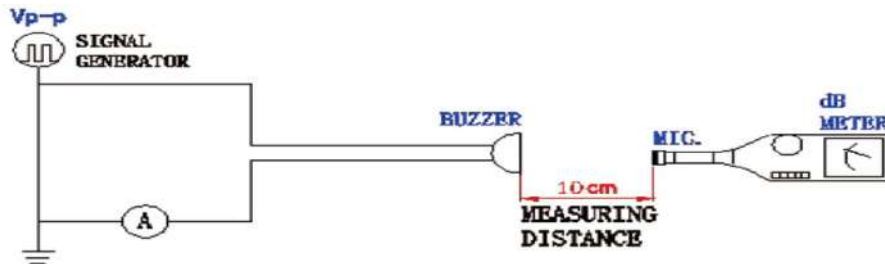
5. Reliability Test

After test(1~7item), the buzzer S.P.L . difference shall be within $\pm 10\text{dB}$, and the appearance not exist any change to be harmful to normal operation

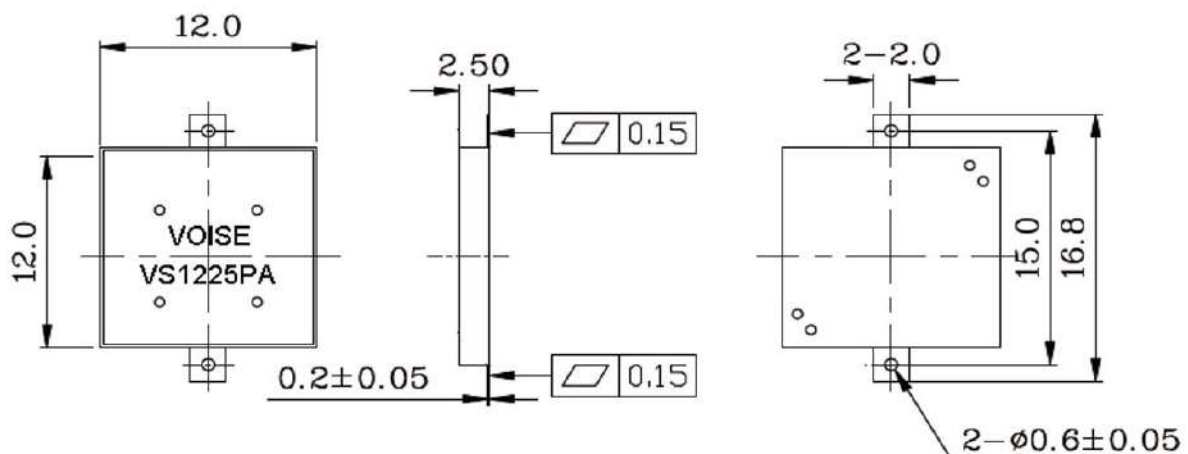
No	Items	Specification
1	High Temp.Test	After being placed in a chamber with $+80\pm 5\text{ }^{\circ}\text{C}$ for 96h and then being placed in natural condition for 4h, and then check.
2	Low Temp.Test	First being placed in a chamber with $-30\pm 2\text{ }^{\circ}\text{C}$ for 96h and then being placed in natural condition for 4h, and then check.
3	Humidity Test	After being placed in a chamber with 90 to 98%R.H. at $+80\pm 5\text{ }^{\circ}\text{C}$ for 12 h and then being placed in natural condition for 4h ,and then check.
4	Thermal Shock Test	After being worked in a chamber at $+80\pm 5\text{ }^{\circ}\text{C}$ for 0.5 hour, then sounder shall be placed in a chamber at $-30\pm 5\text{ }^{\circ}\text{C}$ for 0.5 hour(1 cycle is the below diagram). The test duration is for 10 cycle.after being placed in natural condition for 4 hour.and then check.
5	Vibration Test	Being applied vibration of amplitude of 1.5mm with 10-55Hz band of vibration frequency,X.Y.Z.3 direction.2 hours each, total 6 hours.
6	Drop Test	Free drop fram 0.75 meter height to a board 40mm thick hard wood board 3 times in 3 axes(X.Y.Z).tatol 9 times. and be nothing mechanical damage.
7	Solderability	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of $+240\pm 5\text{ }^{\circ}\text{C}$ for 3 ± 0.5 seconds.
8	Terminal Strength Pulling	The force 10 seconds of 9.8N is applied go each terminal in axial direction.
9	Soldering heat resistance	The product is followed the reflow temperature curve to test its reflow thermostability.

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6. Measurement Method & Frequency Response curve



7. Dimensions



FIRST ANGLE PROJECTION



UNIT : mm

Tolerance : ±0.3

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8. Packing

