



SPECIFICATION

FOR APPROVAL

Customer : _____

Product Name : SMD Buzzer

Model Name : VS7525A

Drawing No. : VS201815014

Signature of Voise

Approved by	Checkde by	Issued by	Date



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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 : 7.5x7.5 mm
- 3.2 Height : 2.5 mm
- 3.3 Weight : 0.4 g
- 3.4 Operating Temperature : -30~+80°C without loss of function
- 3.5 Store Temperature : -40~+80°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	3.6Vp-p
2	Working Voltage	2.5-4.5Vp-p
3	Rated Current	90mA/3.6Vp-p/2.7kHz
4	Sound Pressure Level	85dB/3.6Vp-p/10cm
5	Resonant Frequency	2.7kHz
6	Coil resistance	15±3Ω
7	Housing Material	LCP
8	Color	Black



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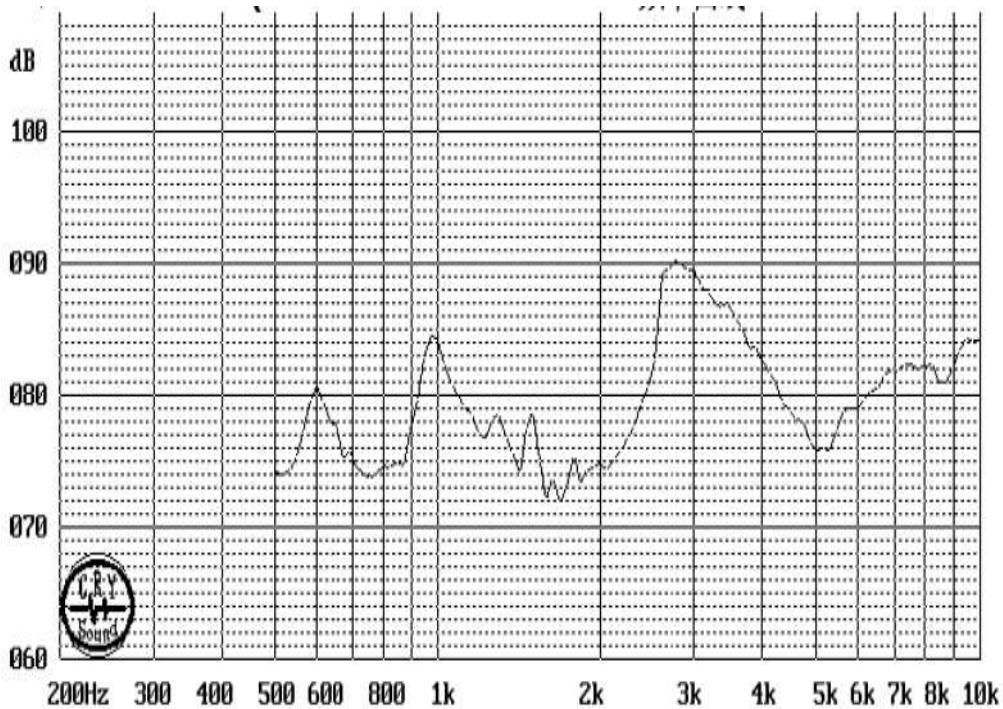
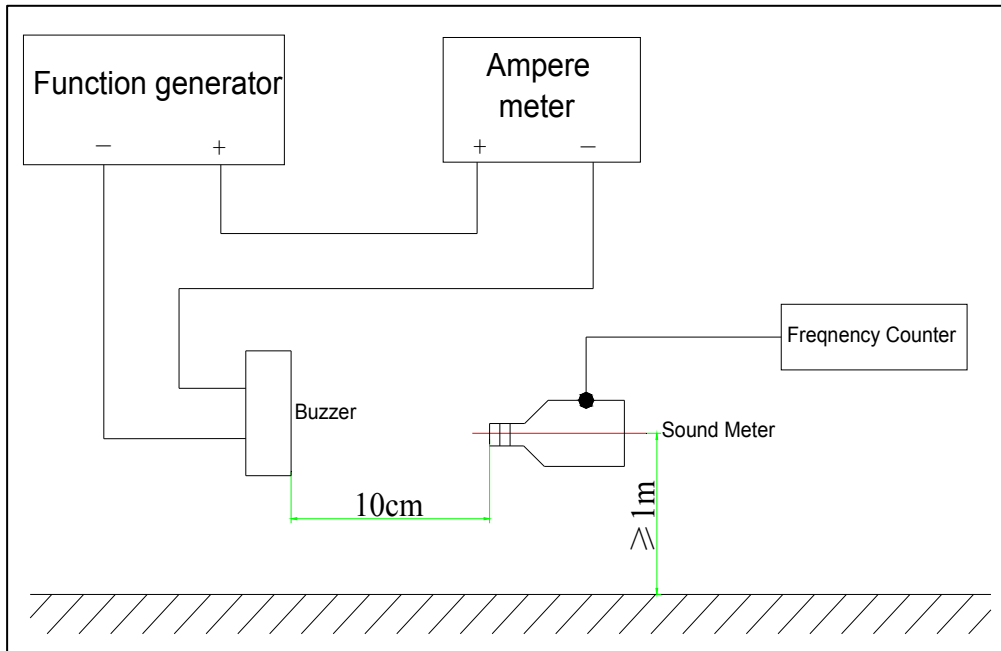
5. Reliability Test

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 condtion 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 $+70\pm 5\text{ }^{\circ}\text{C}$ 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.
10	continuous life test	The part shall be subjected to 72 hours at $+65\text{ }^{\circ}\text{C}$ with V_o -p3.6V,2.7kHz applied,and then check.
11	Intermittent life test	A duty cycle of 1 minute on, 1 minutes off, a minimum of 5000 times at room temp.with V_o -p3.6V,2.7kHz applied,and then check.

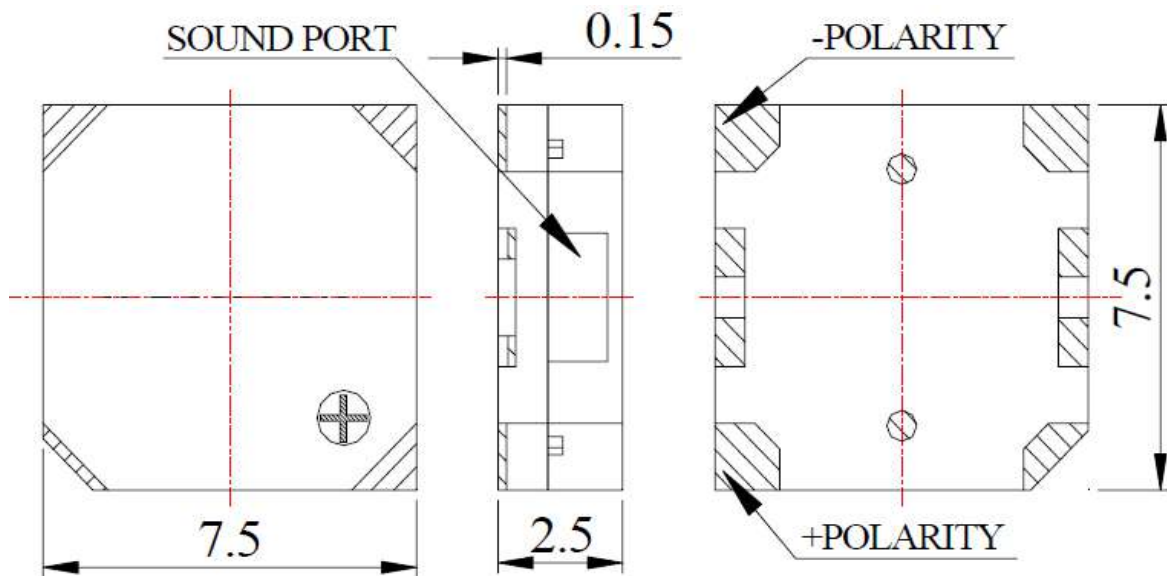
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6. Measurement Method & Frequency Response curve

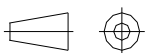


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7. Dimensions



FIRST ANGLE PROJECTION



UNIT : mm

Tolerance : ± 0.3



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8. Packing

Each minimum package unit of products shall be in a carton box and it shall be clearly marked with Part Number ,quantity and outgoing inspection number.

There shall be no mechanical damage on products during in storage.