

SPECIFICATION

FOR APPROVAL

Customer : _____

Product Name : Piezo Buzzer (External-drive)

Model Name : VST2722PF20

Drawing No. : VS20200320028

Signature of Voise

Approved by	Checkde by	Issued by	Date

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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 : 26.5x22 mm
- 3.2 Height : 7 mm
- 3.3 Weight : 3 g
- 3.4 Operating Temperature : -40~+85°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	5Vp-p square wave
2	Max Working Voltage	25Vp-p square wave
3	Capacitance at 120Hz	30nF±30%
4	Min Sound Pressure Level	80dB/5Vp-p square wave/10cm
5	Resonant Frequency	2.0±0.5KHz
6	Tone Nature	Continuous
7	Housing Material	Black Mppo
8	Color	Black

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5. Reliability Test

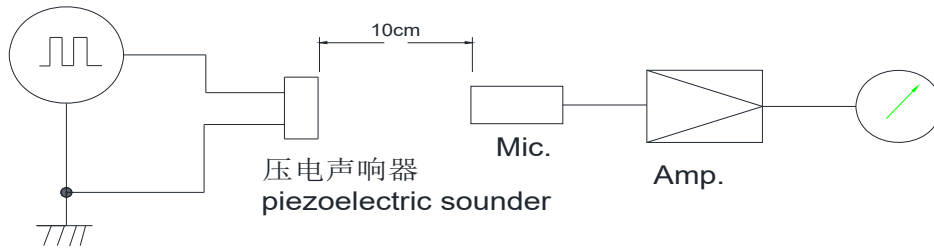
After test(1~7item), the buzzer S.P.L . difference shall be within $\pm 5\text{dB}$, and the appearance not exist any change to be harmful to normal operation

No	Items	Specification
1	High Temp.Test	After being woked in a chamber with $+85\pm 2\text{ }^{\circ}\text{C}$ 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 $-40\pm 2\text{ }^{\circ}\text{C}$ for 2h and then being placed in natural condtion for 2h, and then check.
3	Humidity Test	After being placed in a chamber with 90 to 95%R.H. at $+40\pm 2\text{ }^{\circ}\text{C}$ 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 $+85\pm 2\text{ }^{\circ}\text{C}$ for 1 hour, then sounder shall be placed in a chamber at $-40\pm 2\text{ }^{\circ}\text{C}$ for 1 hour(1 cycle is the below diagram). The test duration is for 5 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 0.7 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 $+260\pm 5\text{ }^{\circ}\text{C}$ for 3 ± 0.5 seconds.
8	Terminal Strength Pulling	The force 10 seconds of 9.8N is applied go each terminal in axial direction.

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6. Measurement Method & Frequency Response curve

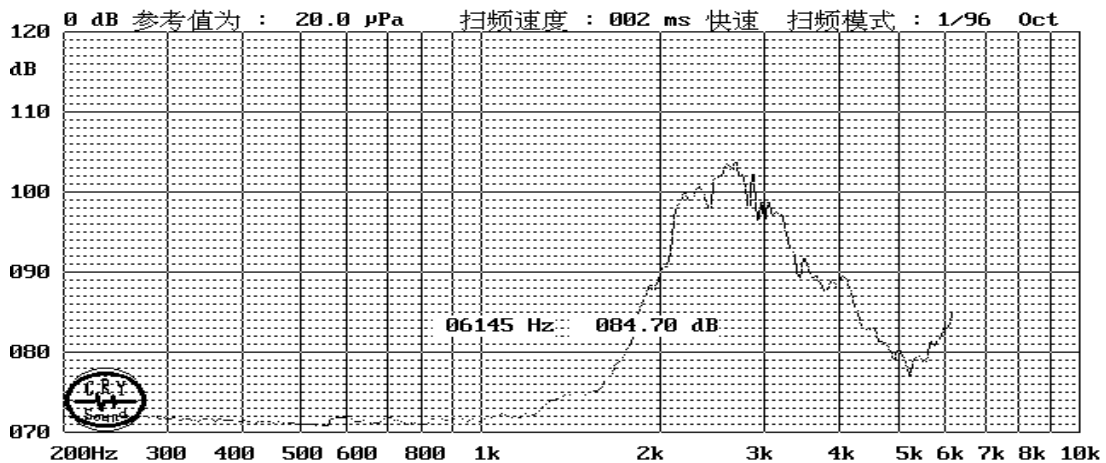
输入信号:5Vrms,2.0KHz,正弦波
Input Signal:5Vrms,2.0KHz,Sine Wave



MIC : ND10 普通声级计或等同品
MIC : ND10 Sound meter or equivalent
S.G. : DF1010 振荡器或等同品
S.G. : DF1010 Oscillater or equivalent

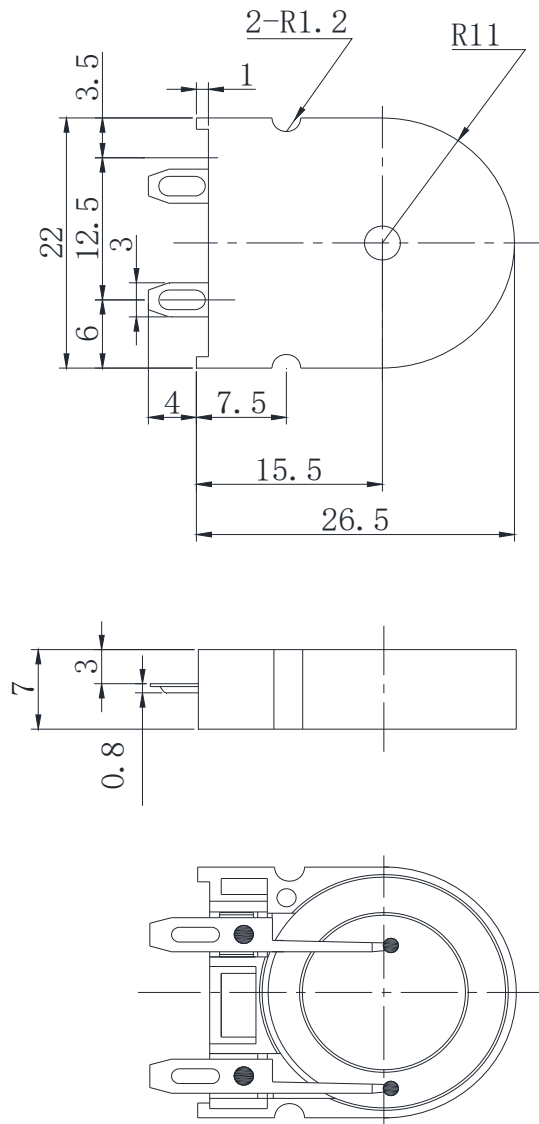
06/12/2014 21:00 CRY6135FH 蜂鸣器电声参数测试仪 U75 无框 滤波器1次

型号: _____ → 发送 T: _____ 接收 R: _____ 阻抗 Z: _____
电压: 5000 mV Fc= 02000Hz 089.86dB Fc= 02000Hz _____ dB Fu= _____ Hz _____ Ω
方波 Fo= 02667Hz 104.16dB Fo= _____ Hz _____ dB Fo= _____ Hz _____ Ω

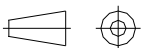


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7. Dimensions



FIRST ANGLE PROJECTION

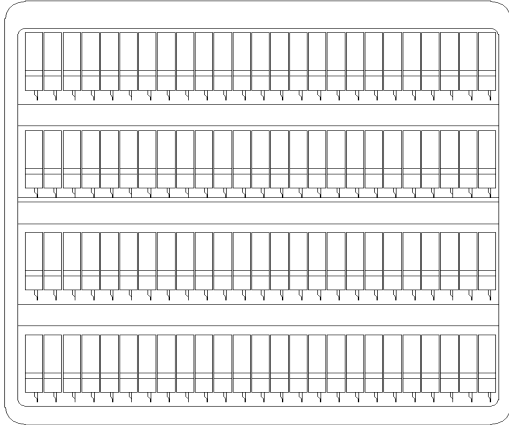


UNIT : mm

Tolerance : ±0.2

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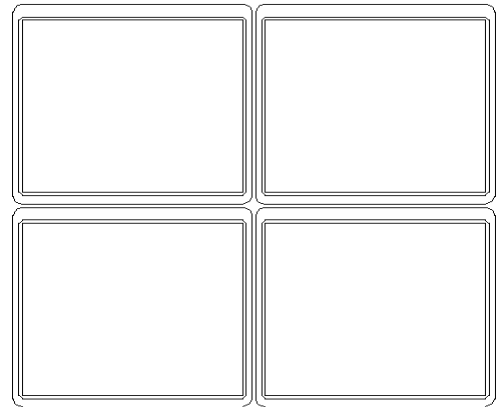
8. Packing



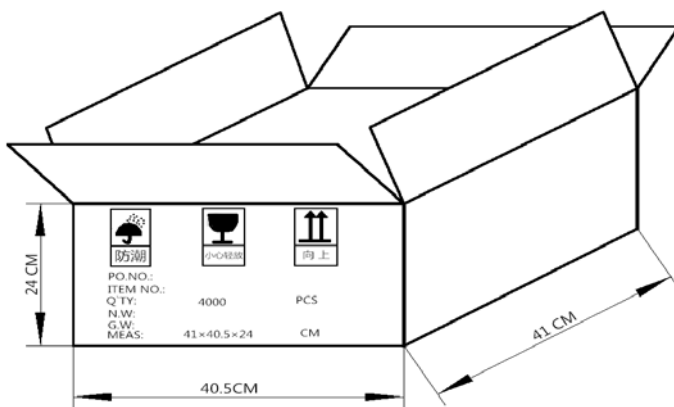
100 PCS per box



10 boxes and one group



4 sets of one box



41x40.5x24cm

100 PCS per box

10 boxes and one group

4 sets of one box

Total 4000 PCS carton