

SPECIFICATION

Customer : QUARTZ

Applied To :

Product Name : Magnetic Buzzer

Model Name : DAP1206X-1953

Drawing No. : OEM1953R

Signature of Approval

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Signature of KEPO

Approved by	Checked by	Issued by	Date



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1. 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.

本规格书适用于电磁式蜂鸣器，通常它用在系统中做报警或提示的声响器用，如果将该产品用于其它领域，请与我们联系。

2. General

2.1 Out-Diameter : Ø12 mm

外径: Ø12 mm

2.2 Height : 9.5 mm

高度: 9.5 mm

2.3 Weight : 2 g

重量: 2克

2.4 Operating Temperature range:

-25~+70℃ without loss of function

工作温度: -25~+70℃

2.5 Store Temperature range:

-40~+85℃ without loss of function

储藏温度: -40~+85℃

3. Electrical and Acoustic Characteristics.

Test condition : 15 ~ 35 °C , 25% ~ 85% RH, 860~1060 mbar

测试条件: 15~35 °C , 25%~85%RH , 860~1060mbar

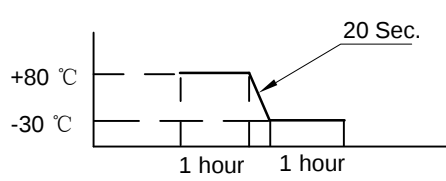
	Items 项目	Specification 规格
1	Rated Voltage 额定电压	6V
2	Operating Voltage 工作电压	4~8V
3	Max.Rated Current 额定电流	40mA / 6V
4	Resonant Frequency 谐振频率	2.3± 0.3KHz
5	Min.Sound Pressure Level 额定声压	88dB/10cm
6	Case Material/Color 壳体材质/颜色	PBT/BLACK

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4. Reliability Test

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

在1-7项试验后，声响器的声压变化值在 $\pm 10\text{dB}$ 之内，外观无变化（例如：开裂、生锈、损伤、变形等现象）。

	Item	Specification
1	High Temperature Test 高温试验	After being worked in a chamber with $+85 \pm 2^\circ\text{C}$ for 2h and then being placed in natural condition for 2h, sounder shall be measured. 将产品置于 $+85 \pm 2^\circ\text{C}$ 试验箱中，先工作 2小时，然后在正常大气压条件下恢复2小时后，进行测量
2	Low Temperature Test 低温试验	First being worked in a chamber with $-30 \pm 2^\circ\text{C}$ for 2h and then being placed in a chamber with $-30 \pm 2^\circ\text{C}$ for 16h, finally being placed in natural condition for 2h, sounder shall be measured. 将产品置于 $-30 \pm 2^\circ\text{C}$ 试验箱中，先工作 2小时，再放置16小时，然后在正常大气压条件下恢复2小时后，进行测量
3	Humidity Test 潮湿试验	After being placed in a chamber with 90 to 95%R.H. at $+40 \pm 2^\circ\text{C}$ for 2 h and then being placed in natural condition for 2h , sounder shall be measured. 将产品置于湿度为 90~95%R.H，温度为$40 \pm 2^\circ\text{C}$试验箱中 2小时，然后在正常大气压条件下恢复2小时后，进行测量
4	Thermal Shock Test 热冲击试验	After being worked in a chamber at $+85^\circ\text{C}$ for 1 hour, then sounder shall be placed in a chamber at -30°C for 1 hour(1 cycle is the below diagram). After 6 above cycles, sounder shall be measured after being placed in natural condition for 1 hour. 将产品置于$+85 \pm 2^\circ\text{C}$试验箱中，先工作1小时，然后将产品置于$-30 \pm 2^\circ\text{C}$试验箱中，再工作1小时，经过6个循环后，在正常大气压条件下恢复1小时，进行测量  The diagram illustrates a thermal shock cycle. It shows a temperature profile with two horizontal segments: one at $+80^\circ\text{C}$ and another at -30°C. Each segment is labeled '1 hour'. A vertical line connects the two segments, representing the transition time, which is labeled '20 Sec.'.

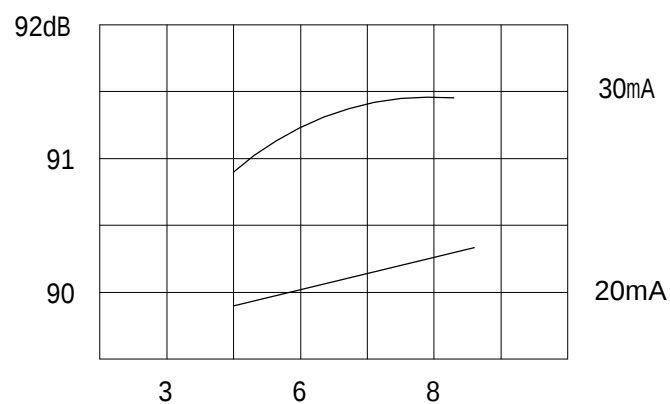
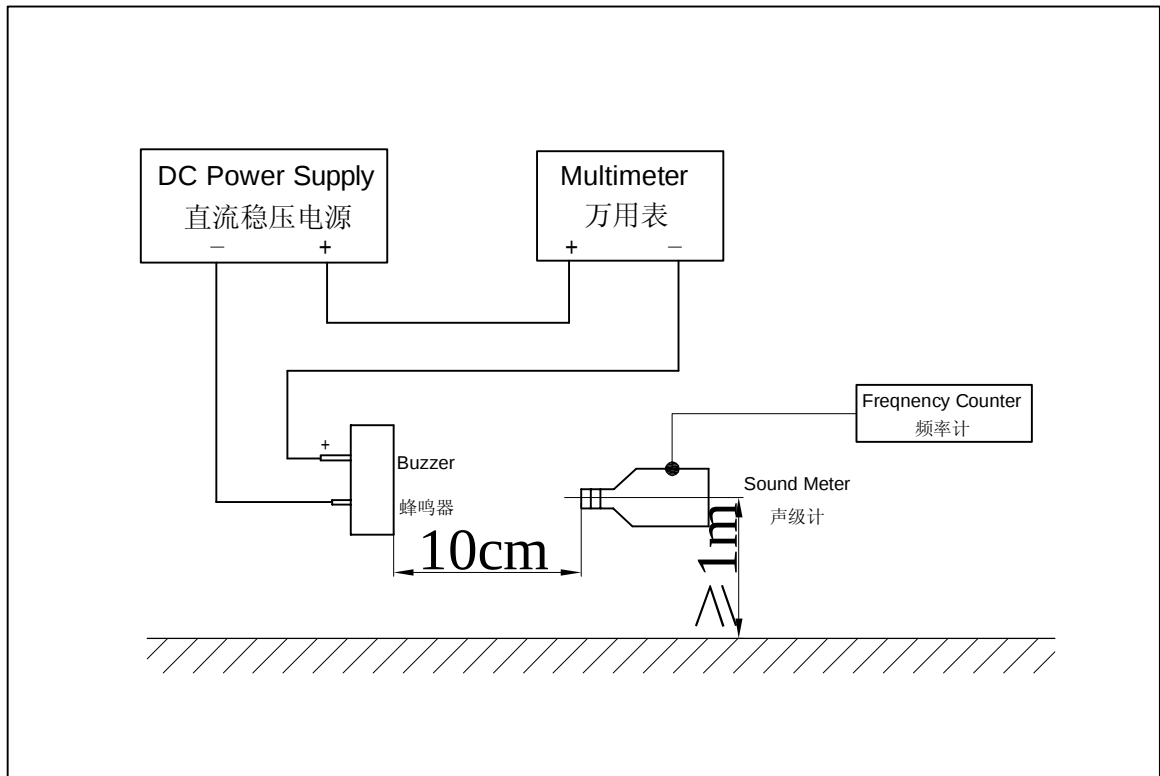
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4. Reliability Test

	Item	Specification
5	Vibration Resistance 振动试验	Sounder shall be measured after being applied vibration of amplitude of 1.5mm with 10 to 30Hz band of vibration frequency to each of 3 perpendicular directions for 2 hour. 振幅为1.5mm, 频率为10~30Hz, 三个不同轴方向各振动2小时, 试验后进行测量.
6	Drop Test 跌落试验	Sounder packed in the carton are dropped in six direction from the height of 80cm to the concrete floor. 跌落高度80cm, 6个不同方向整箱跌落到水泥地, 试验后进行测量.
7	Solderability 可焊性试验	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of $+260 \pm 5^{\circ} \text{C}$ for 3 ± 0.5 seconds. 插针浸入松香5秒, 然后再浸入$+260 \pm 5^{\circ} \text{C}$的锡炉中$3 \pm 0.5$秒, 插针表面应覆盖一层光滑明亮的焊料.
8	Terminal Strength Pulling 插针强度试验	The force 10 seconds of 9.8N is applied to each terminal in axial direction. 插针应承受9.8N拉力, 拉力时间10秒, 插针无松动和脱落等现象.

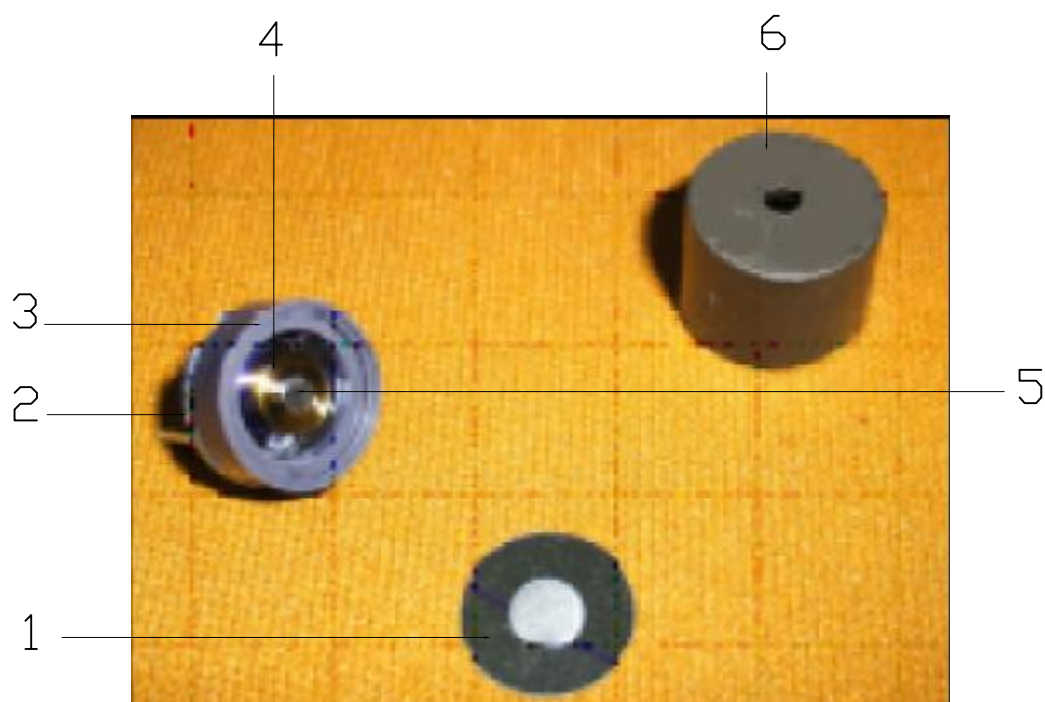
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5. Measurement Block Diagram & Response curve



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6. Structure

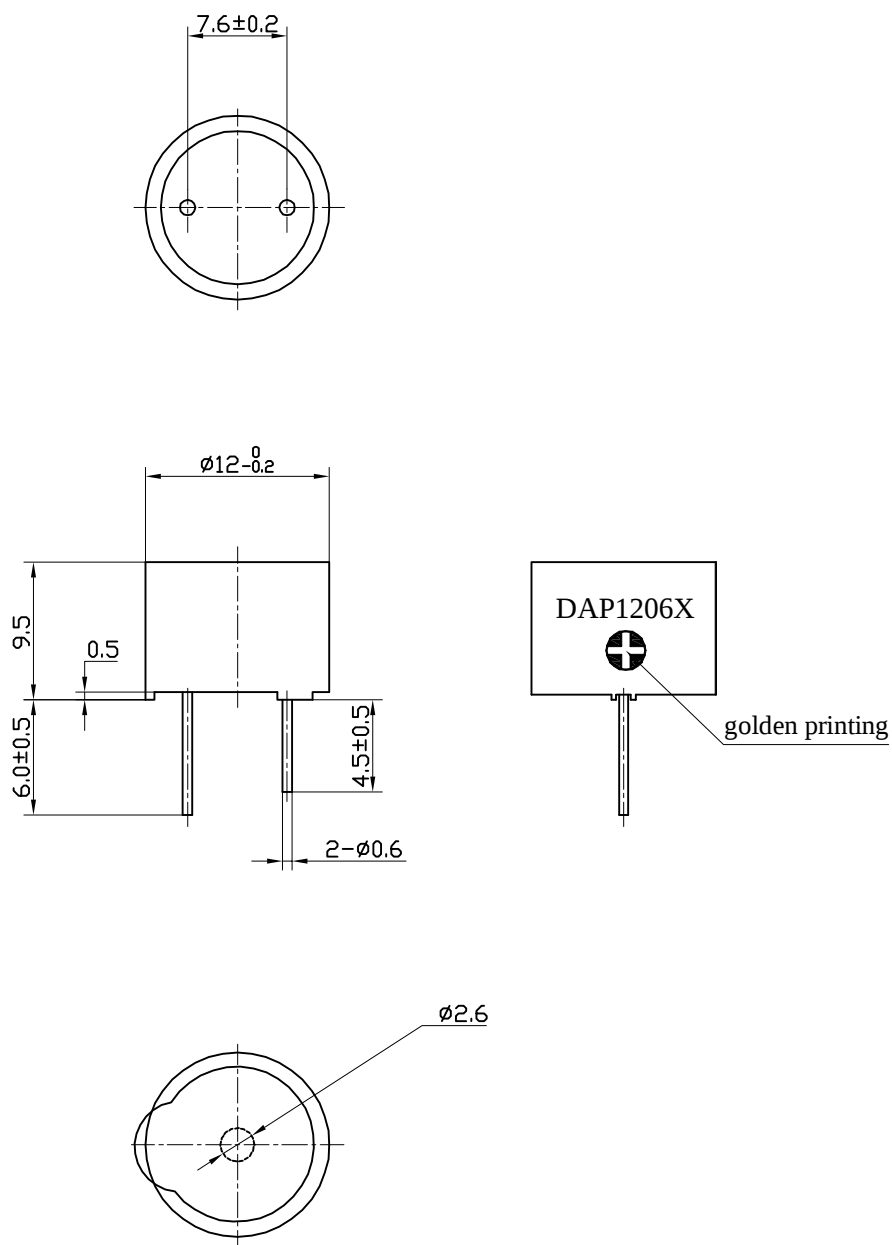


6	Case 壳体	1	PBT	
5	T Core T铁	1	Fe	
4	Coil 线圈	1	QANR	
3	Magnetic ring 磁环	1	/	
2	PCB with pin 带导针印制板	1	/	
1	Diaphragm 膜片	1	/	
No.	Part Name 型号	数量 Q'TY	Material 材质	Remark 备注

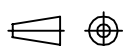
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7. Dimensions



FIRST ANGLE PROJECTION



UNIT : mm

Tolerance : ± 0.5

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8. Packing



Picture1 100PCS



Picture2 500PCS



Picture3 500PCS



Picture4 6000PCS

QTY: 6000Pcs

425 x400 x315

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9. Revision

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