SPECIFICATION

受　　控

Customer :

Applied To :

Product Name : Magnetic Transducer

Model Name : KPM09-G04B6

Drawing No. : KP3.840.707R

Compliance with RoHS

Signature of Approval

Signature of KEPO

Approved by	Checked by	Issued by	Date

ISO9001 Certificate

宁波凯普电子有限公司

宁波东钱湖镇东钱湖工业区宝源路25号
TEL:+86-574-88370330 FAX:+86-574-88370329
No.25 Baoyuan road Dongqian Lake, Industry Area, Dongqian town,
Ningbo City,China(Post Code:315121)
Sales@chinaacoustic.com www.chinaacoustic com

CONTENTS

1. Scope

This product specification is applied to the magnetic transducer 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声响器，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，请与我们取得联系。

2. General

2.1 Out-Diameter : Ø9.6 mm
外径： ϕ9.6 mm
2.2 Height : 5.0 mm
高度： 5.0 mm
2.3 Weight : 1g
重量： 1克
2.4 Operating Temperature range:
-20～+70℃ without loss of function
工作温度：-20～+70℃
Store Temperature range:
-30～+80℃ without loss of function
储藏温度：-30～+80℃

3. Electrical and Acoustic Characteristics.

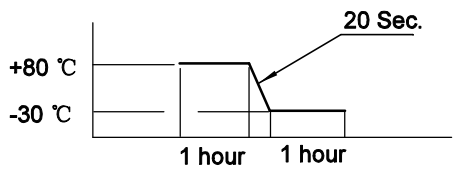
Test condition : 15 ~ 35 ℃, 25% ~ 85% RH, 860~1060 mbar
测试条件：15～35 ℃，25%～85%RH , 860～1060mbar

	Items 项目	Specification 规格
1	Rated Voltage 额定电压	3.6V
2	Operating Voltage 工作电压	3~5V
3	Max.Rated Current 额定电流	70mA / 3.6V
4	Resonant Frequency 谐振频率	2731Hz
5	Min.Sound Pressure Level 额定声压	87dB/3.6V/10cm
6	Coil Resistance 直流阻抗	25±4 Ω
7	Coil Impedance 交流阻抗	50±3 Ω
8	Case Material/Color 壳体材质/颜色	PBT/BLACK

4. Reliability Test

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

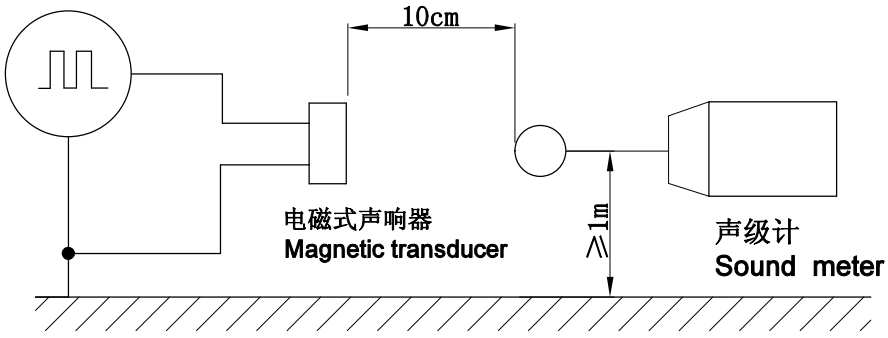
在1-7项试验后，声响器的声压变化值在±10dB之内，外观无变化（例如：开裂、生锈、损伤、变形等现象）.

	Item	Specification
1	High Temperature Test 高温试验	After being woked in a chamber with +80±2 ℃ for 2h and then being placed in natural condition for 2h, sounder shall be measured. 将产品置于 +80±2 ℃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±2 ℃ for 2h and then being placed in a chamber with -30±2 ℃ for 16h, finally being placed in natural condtion for 2h, sounder shall be measured. 将产品置于 -30±2 ℃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±2 ℃ 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±2℃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 +80 ℃ for 1 hour, then sounder shall be placed in a chamber at -30 ℃ 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+80±2 ℃试验箱中，先工作1小时，然后将产品置于-30±2 ℃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 

4. Reliability Test

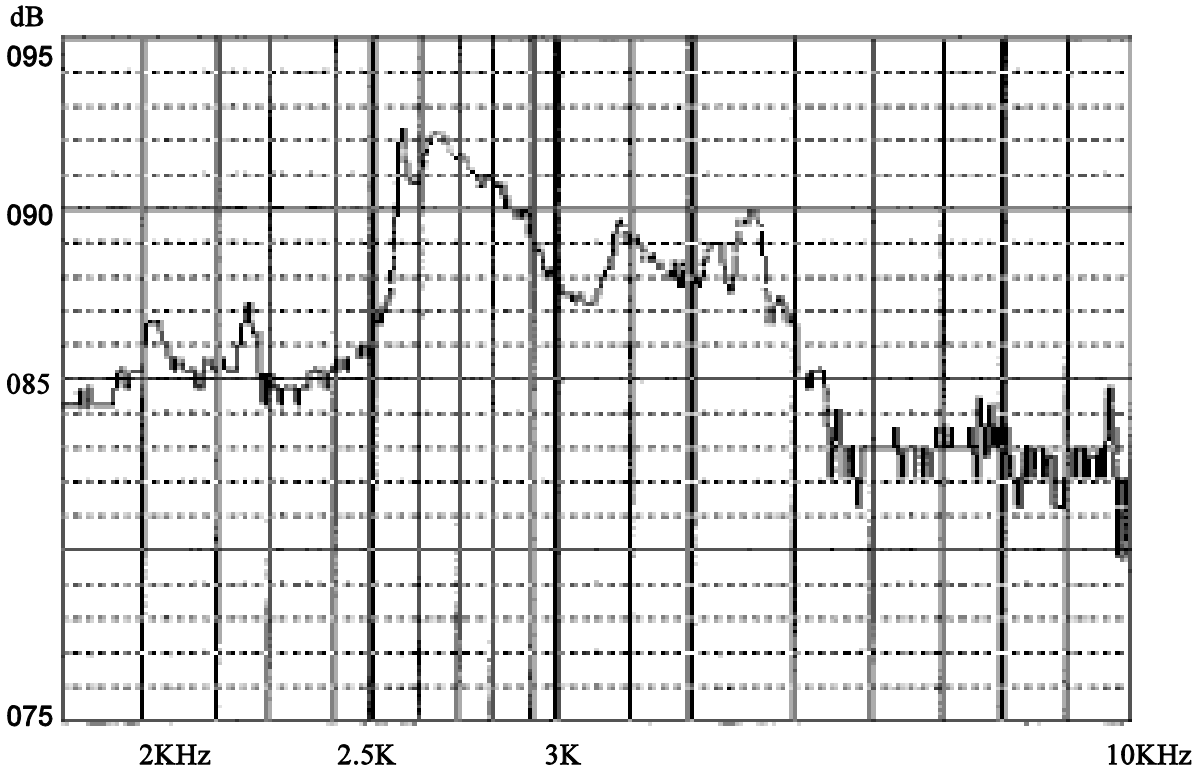
	Item	Specification
5	Vibration Resistance 振动试验	Sounder shall be measured after being applied vibration of amplitude of 1.5mm with 10 to30Hz band of vibration frequency to each of 3 perpendicular directions for 2 hour. 振幅为1.5mm，频率为10～30Hz，三个不同轴方向各振动2小时，试验后进行测量.
6	Drop Test 跌落试验	Sounder packed in the carton 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±5°C for 3±0.5 seconds. 插针浸入松香5秒，然后再浸入+260±5°C的锡炉中3±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 go 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.

5. Measurement Block Diagram & Response curve

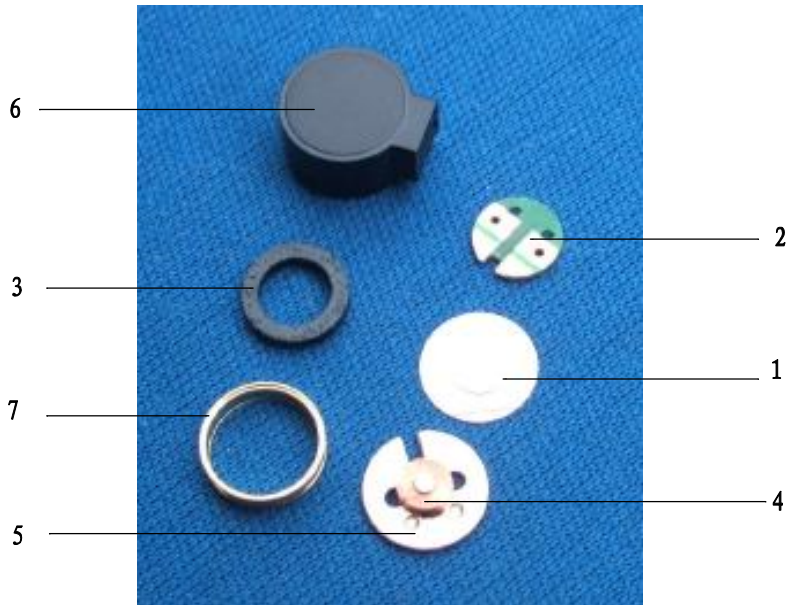


MIC : ND10 普通声级计或等同品
MIC : ND10 S.P.L. or equivalent

S.G. : DF1010 振荡器或等同品
S.G. : DF1010 Oscillater or equivalent

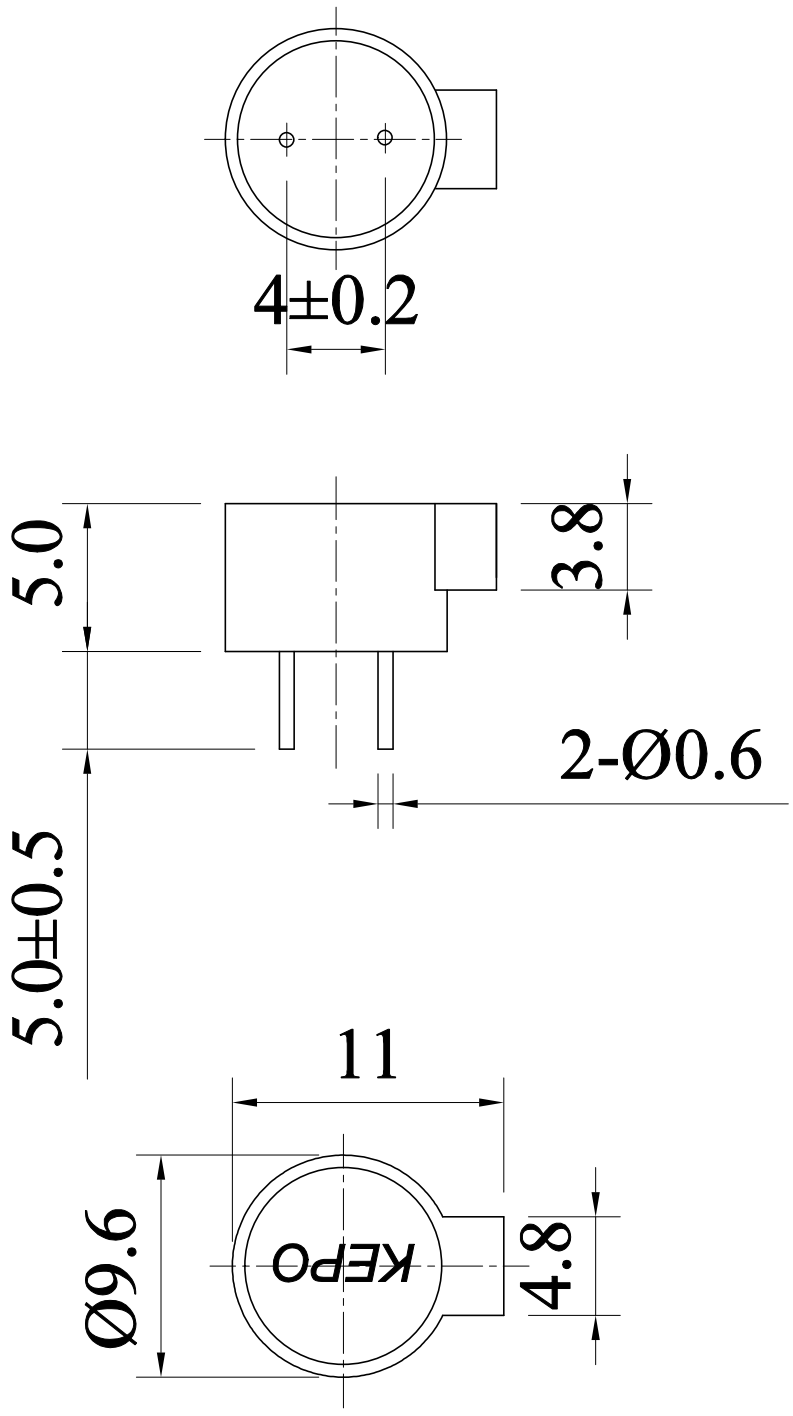


6. Structure



No.	Part Name 型号	数量 Q'TY	Material 材质	ROHS 环保
7	Cu 铜套	1	Cu	
6	Case 壳体	1	PBT	SH415360/CHEM(D)
5	T Core T铁	1	Fe	SH415361/CHEM(D)
4	Coil 线圈	1	QANR	SH437207/CHEM(NO.2)
3	Magnetic ring 磁环	1		2083631/LD(1)
2	PCB 印制板	1		CH411778-1/CHEM(A)
1	Diaphragm 膜片	1		SH415361/CHEM(B)

7. Dimensions



FIRST ANGLE PROJECTION

UNIT : mm
Tolerance : ±0.5

8. Packing

Picture1 500PCS

Picture2 6000PCS

QTY: 6000Pcs

425 x400 x315

9. Revision

Rev. No.	DATE	PAGE	DESCRIPTION	SIGN
1.0	2008.04.15	10	primary	