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	Revision No.	1.0
	Drawing No.	OEM9906R
Model No. : KPMB-G28A012L-K9906		

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1. 范围 Scope

This product specification is applied to the mechanical buzzer in alarm systems. Please contact us when using this product for any other applications than described in the above.

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

2. 概要 General

2.1 Out-Diameter : 28×21mm

外径: 28×21 mm

2.2 Height : 15mm

高度: 15 mm

2.3 Weight : 10g.

重量: 10克

2.4 Case Material : PPO

壳体材质: PPO

3. 额定极限条件 Maximum Rating

	项目 Item	规格 Specification
3.1	工作温度范围 Operating Temperature Range	-20 ~ +60℃
3.2	储存温度范围 Storage Temperature Range	-30 ~ +70℃
3.3	额定电压 Rated Voltage	12VAC/50HZ
3.4	工作电压 Operating Voltage	8~14VAC

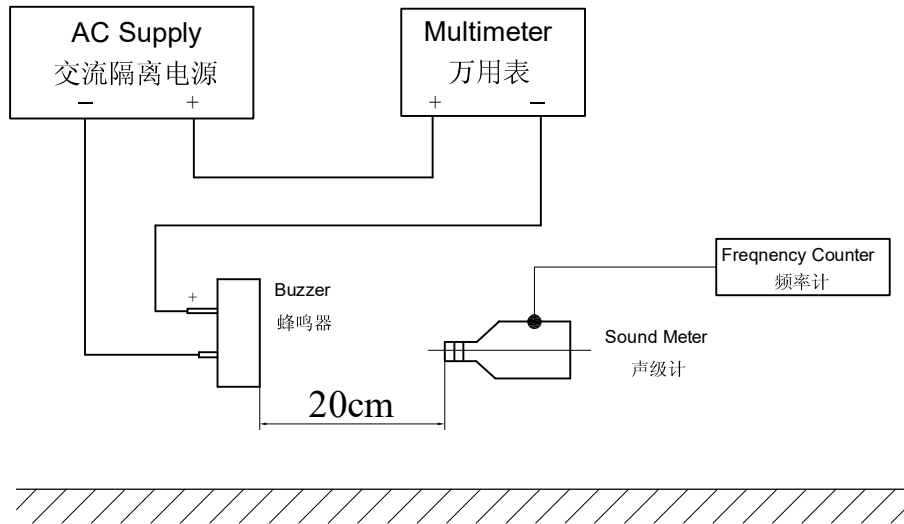
4. 电性能 Electrical Characteristics

	项目 Item	规格 Specification
4.1	Max. Rated Current 额定电流	250mA
4.2	Min. Sound Pressure Level 最小声压	70dB/12VAC/20cm
4.3	Coil Resistance 直流电阻	54.5±10% Ω

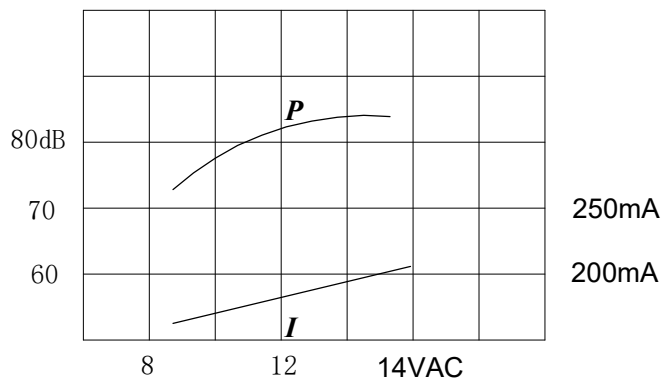
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5.测试图和曲线图 Measurement Block Diagram & Response Curve

5.1 声压测试 S.P.L. Measuring



5.2 曲线图 Response Curve



5.3 测试环境 Measuring Condition

温度 $+25\pm 3^{\circ}\text{C}$ ，湿度 $60\pm 10\%\text{R.H.}$ 标准测试状态,在没有疑问的场合,可以在温度 $+5\sim +35^{\circ}\text{C}$,湿度 $45\sim 85\%\text{R.H.}$ 的范围内测试.

Part shall be measured under a condition (Temperature : $+5$ to $+35^{\circ}\text{C}$, Humidity :45 to 85%R.H.) unless the standard condition (Temperature : $+25\pm 3^{\circ}\text{C}$, Humidity : $60\pm 10\%\text{R.H.}$) is regulated measure.

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6. 机械性能 Physical Characteristics

	实验项目 Item	实验条件 Test Condition	实验后规格 Specification
6.1	耐冲击性 Shock	<p>峰值加速度 490m/s^2, 半正弦波, XYZ三个方向各3次冲击实验后, 进行测试.</p> <p>Sounder shall be measured after being applied shock(490m/s^2) for each three mutually perpendicular directions to each of 3 times by half sine wave.</p>	<p>符合表1的要求</p> <p>The measured value shall meet Table 1.</p>
6.2	耐振动性 Vibration Resistant	<p>振动频率 $10\sim 55\text{ Hz}$, 1.5mm 全振幅, XYZ三个方向各2小时试验后, 进行测试.</p> <p>Sounder shall be measured after being applied vibration of amplitude of 1.5mm with $10\text{ to }55\text{Hz}$ band of vibration frequency to each of 3 perpendicular directions for 2 hours.</p>	
6.3	耐焊接性 Soldering Heat Resistance	<p>将产品的插针插入(插至距产品壳体1.5mm处为止) $+300\pm 5^\circ\text{C}$的焊锡槽3 ± 0.5秒或$+260\pm 5^\circ\text{C}$的焊锡槽10 ± 1秒, 然后在常温中放置4小时后, 进行测试.</p> <p>Lead terminal are immersed up to 1.5mm from sounder's body in solder bath of $+300\pm 5^\circ\text{C}$ for 3 ± 0.5 seconds or $\pm 260\pm 5^\circ\text{C}$ for 10 ± 1 seconds, and then sounder shall be measured after being placed in natural condition for 4 hours.</p>	
6.4	可焊性 Solderability	<p>先将产品的插针浸入松香液5秒钟, 然后浸入$+260\pm 5^\circ\text{C}$熔融的锡槽中3 ± 0.5秒.</p> <p>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.</p>	
6.5	插针强度 Terminal Strength Pulling	<p>分别在每个插针的轴向施加9.8牛顿的静荷重10秒.</p> <p>The force 10 seconds of 9.8N is applied to each terminal in axial direction.</p>	

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7. 环境性能 Environmental Characteristics

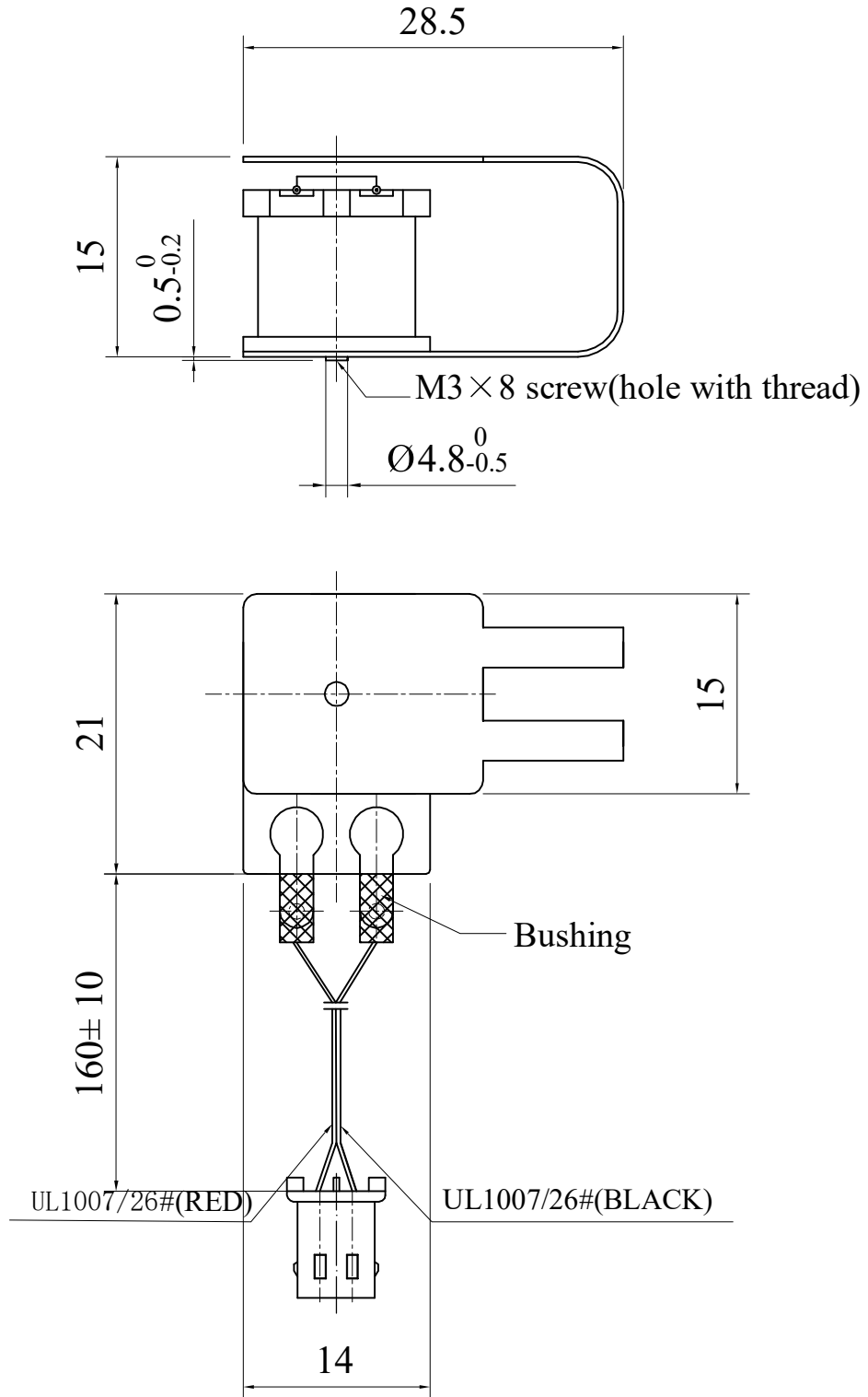
	实验项目 Item	实验条件 Test Condition	实验后规格 Specification
7.1	高温放置 Dry Heat Test (Storage)	<p>将产品放置于温度$+70\pm 2^{\circ}\text{C}$的烘箱内240小时, 然后取出, 在常温下放置4小时后, 进行测试。</p> <p>After being placed in a chamber with $+70\pm 2^{\circ}\text{C}$ for 240 hours and then being placed in natural condition for 4 hours, sounder shall be measured.</p>	<p>符合表1的要求</p> <p>The measured value shall meet Table 1.</p>
7.2	低温放置 Cold Test (Storage)	<p>将产品放置于温度$-30\pm 2^{\circ}\text{C}$的制冷箱内240小时, 然后取出, 在常温下放置4小时后, 进行测试。</p> <p>After being placed in a chamber with $-30\pm 2^{\circ}\text{C}$ for 240 hours and then being placed in natural condition for 4 hours, sounder shall be measured.</p>	
7.3	耐湿性 Humidity	<p>将产品放置于 90%~95% R.H., 温度$+40\pm 2^{\circ}\text{C}$的环境试验箱内240小时, 然后取出, 在常温下放置4小时后, 进行测试。</p> <p>After being placed in a chamber with 90 to 95%R.H. at $+40\pm 2^{\circ}\text{C}$ for 240 hours and then being placed in natural condition for 4 hours, sounder shall be measured.</p>	
7.4	温度循环 Temperature Cycle	<p>将产品先放置于温度$-30\pm 2^{\circ}\text{C}$的制冷箱内30分钟, 然后放置于室温($+20^{\circ}\text{C}$)15分钟后, 放置于$+70\pm 2^{\circ}\text{C}$的烘箱内30分钟, 再放置于室温($+20^{\circ}\text{C}$)15分钟。</p> <p>经过以上循环5次, 在常温下放置4小时后, 进行测试。</p> <p>After being placed in a chamber at $-30\pm 2^{\circ}\text{C}$ for 30 minutes, sounder shall be placed at room temperature ($+20^{\circ}\text{C}$). After 15 minutes at this temperature, sounder shall be placed in a chamber at $+70\pm 2^{\circ}\text{C}$. After 30 minutes at this temperature, sounder shall be returned to room temperature ($+20^{\circ}\text{C}$) for 15 minutes.</p> <p>After 5 above cycles, sounder shall be measured after being placed in natural condition for 4 hours.</p>	

表 1 Table 1

项 目 Item	试验后变化量 Specification after test
声压级 Sound Pressure Level	初始值 $\pm 10\text{dB}$ Initial Value $\pm 10\text{dB}$

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8. Dimensions



FIRST ANGLE PROJECTION



UNIT : mm
Tolerance : ±0.5

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9. Packing



Picture1 24x10=240PCS



贴8150外箱标贴

Picture2 480PCS

QTY: 480Pcs

N.W: 5Kg

G.W: 6Kg

SIZE:370x320x365mm

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10. Revision

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