1. 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，请与我们取得联系。

2. General

2.1 Out-Diameter : 23×17mm
外径： 23× 17 mm
2.2 Height : 15mm
高度： 15 mm
2.3 Weight : 10 g.
重量： 10克
2.4 Case Material /Color : ABS/Black
壳体材质/颜色: ABS/黑
2.5 According to the No.7 of RoHS Exemptions,lead-based solder alloys containing 85% by weight or more lead(Sn10Pb90)
根据"欧盟RoHS指令豁免条款"第7条规定,使用了铅含量超过85%的锡铅合金焊料(Sn10Pb90)

3. Electrical and Acoustic Characteristics.

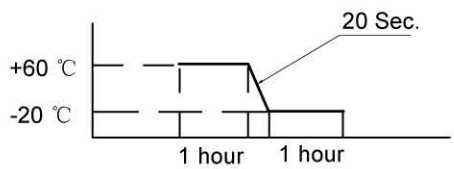
Test condition : 15 ~ 35 ℃, 25% ~ 85% RH, 860~1060 mbar
测试条件：15～35 ℃, 25%～85%RH , 860～1060mbar

	Items 项目	Specification 规格
1	Operating Temperature Range 工作温度范围	-20 ～ +60℃
2	Storage Temperature Range 储存温度范围	-30 ～ +70℃
3	Rated Voltage 额定电压	3VDC
4	Operating Voltage 工作电压	2～5VDC
5	Max.Rated Current 额定电流	25mA/3VDC
6	Resonant Frequency 谐振频率	400± 100Hz
7	Min.Sound Pressure Level 额定声压	75dB/3VDC/20cm
8	Tone Nature 音调	Continuous (直音)

4. Reliability Test

After test(1~6item), the Buzzer S.P.L . difference shall be within ±10dB,Frequency difference shall be within ±0.5KHz. and the appearance not exist any change to be harmful to normal operation(e.g. cracks,rusts,damages and especially distortion).

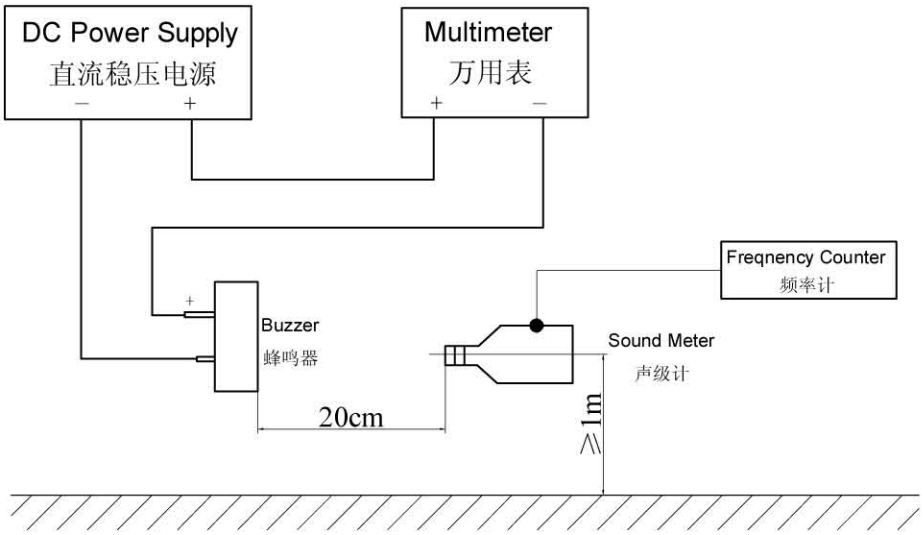
在1-6项试验后，蜂鸣器的声压变化值在±10dB之内，频率变化在±0.5KHZ之内。外观无变化（例如：开裂、生锈、损伤、变形等现象）.

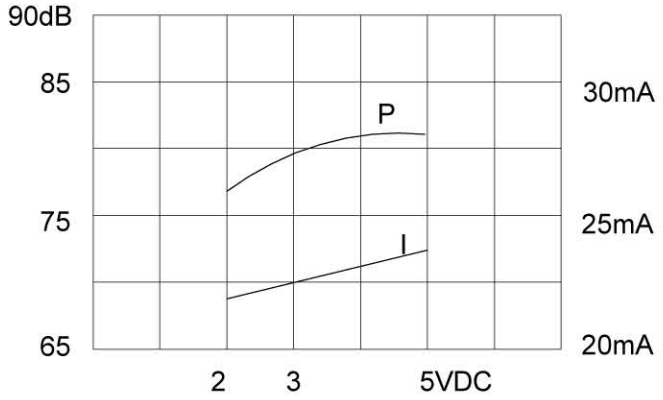
	Item	Specification
1	High Temperature Test 高温试验	After being woked in a chamber with +60±2 ℃ for 2h and then being placed in natural condition for 2h, sounder shall be measured. 将产品置于 +60±2 ℃试验箱中，先工作 2小时，然后在正常大气压条件下恢复2小时后，进行测量
2	Low Temperature Test 低温试验	First being worked in a chamber with -20±2 ℃ for 2h and then being placed in a chamber with -20±2 ℃ for 16h, finally being placed in natural condtion for 2h, sounder shall be measured. 将产品置于 -20±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 +60±2 ℃ for 1 hour, then sounder shall be placed in a chamber at -20±2 ℃ 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+60±2 ℃试验箱中，先工作1小时，然后将产品置于-20±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

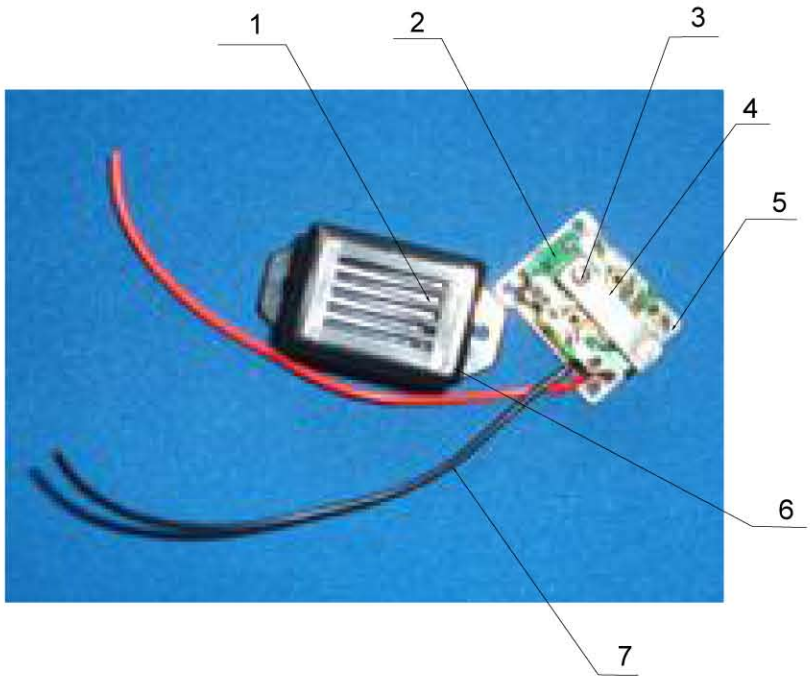
	实验项目 Item	实验条件 Test Condition	实验后规格 Specification
5	耐冲击性 Shock	峰值加速度 490m/s^2, 半正弦波, XYZ三个方向各3次冲击实验后, 进行测试. Sounder shall be measured after being applied shock(490m/s^2) for each three mutually perpendicular directions to each of 3 times by half sine wave.	符合表1的要求 The measured value shall meet Table 1.
6	耐振动性 Vibration Resistant	振动频率 10～30 Hz,1.5mm 全振幅,XYZ三个方向各2小时试验后,进行测试. 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 hours.	

5. Measurement Block Diagram & Response curve





6. Structure



No.	Part Name 型号	Q'TY	Material 材质	SGS 编号
7	Case 引线	2		
6	Case 壳体	1	ABS	
5	T Core T 铁	1	Fe	
4	Coil 线圈	1	QA	
3	Magnetic ring 磁块	1		
2	PCB 印制板	1		
1	Diaphragm 膜片	1		

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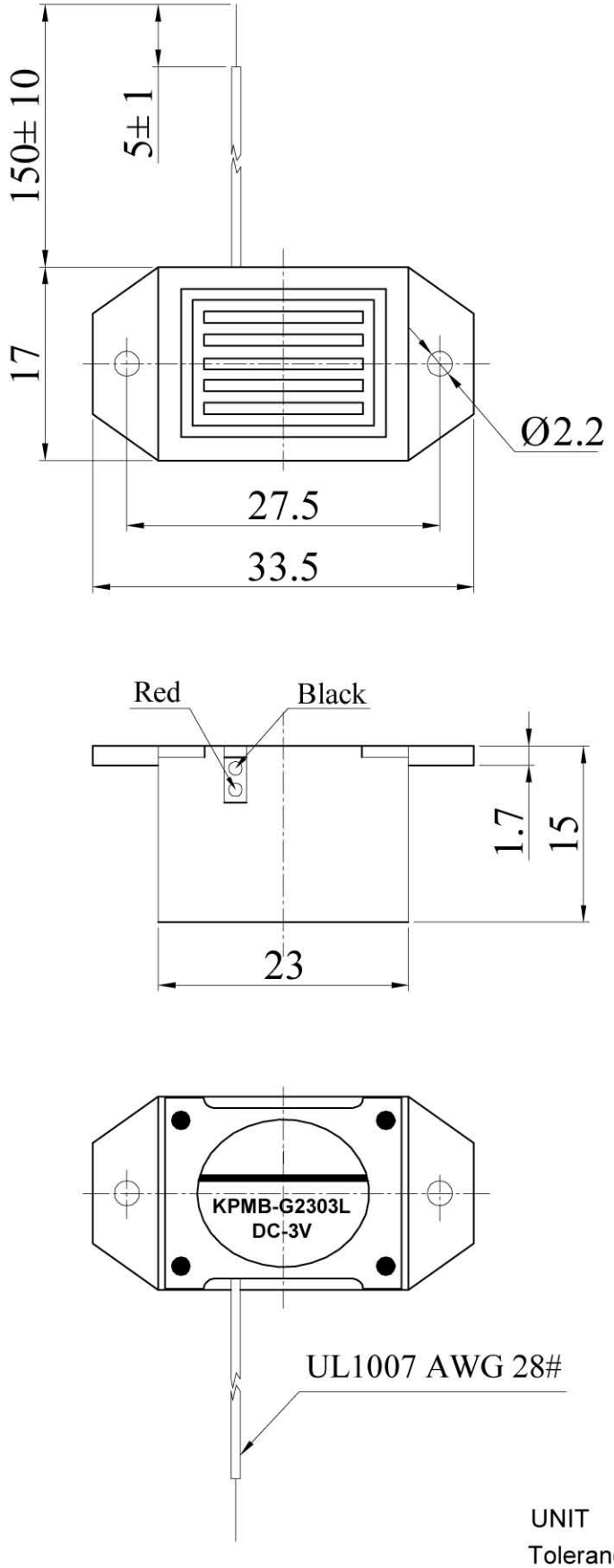
		Revision No.	1.0
Model No. :	KPMB-G2303L-K4652	Drawing No.	OEM4652R

7. Dimensions



FIRST ANGLE PROJECTION

UNIT : mm

Tolerance : ± 0.5