1. 范围 Scope

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

本规格书适用于压电式蜂鸣器，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. 概要 General

2.1 Out-Diameter : Ø29.5mm
外径： Ø29.5 mm
2.2 Height : 24.5mm
高度： 24.5 mm
2.3 Weight : 17gr.
重量： 17克
2.4 Case Material/Color : ABS/Black
壳体材质/颜色: ABS/黑

3. 额定极限条件 Maximum Rating

	项目 Item	规 格 Specification
3.1	最高输入电压 Maximum input Voltage	3-24VDC
3.2	工作温度范围 Operating Temperature Range	-20 ～ +60℃
3.3	储存温度范围 Storage Temperature Range	-30 ～ +70℃

4. 电性能 Electrical Characteristics

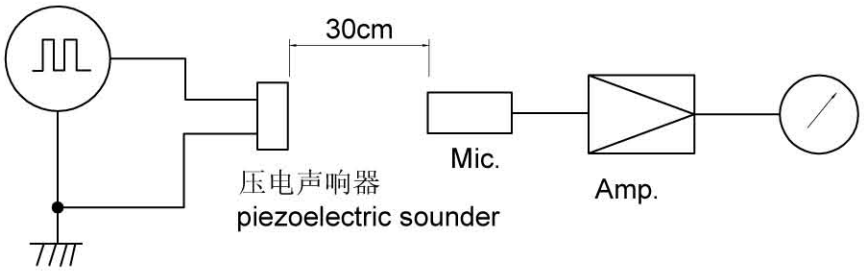
	项目 Item	规 格 Specification
4.1	声压 Sound Pressure Level	90(85)dB at 12VDC/30cm
4.2	频率 Resonant Frequency	3.7± 0.5KHz
4.3	电流 Max.Rated Current	15mA at 12VDC
4.4	音调 Tone Nature	Continuous+Slow Pulse

测试条件参见下项
Refer to next item for measuring method.

5. 测试方法 Measuring Method

5.1 声压测试线路 S.P.L. Measuring Circuit

输入信号:12VDC
Input Signal:12VDC



MIC： ND10 普通声级计或等同品
MIC： ND10 Sound Meter or equivalent

稳压电源： DF1730SL2A或等同品
DC Power Supply： DF1730SL2A or equivalent

5.2 测试环境 Measuring Condition

温度+25± 3℃，湿度60± 10%R.H.标准测试状态,在没有疑问的场合,可以在温度+5～+35℃,湿度45～85%R.H.的范围内测试.

Part shall be measured under a condition (Temperature :+5 to +35 ℃,Humidity :45 to 85%R.H.)unless the standard condition (Temperature :+25 ±3℃,Humidity :60±10 %R.H.) is regulated measure.

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	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, 测试声响器. 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.
6.2	耐振动性 Vibration Resistant	振动频率 10～55 Hz,1.5mm 全振幅,XYZ三个方向各2小时试验后,测试声响器. Sounder shall be measured after being applied vibration of amplitude of 1.5mm with 10 to55Hz band of vibration frequency to each of 3 perpendicular directions for 2 hours.	

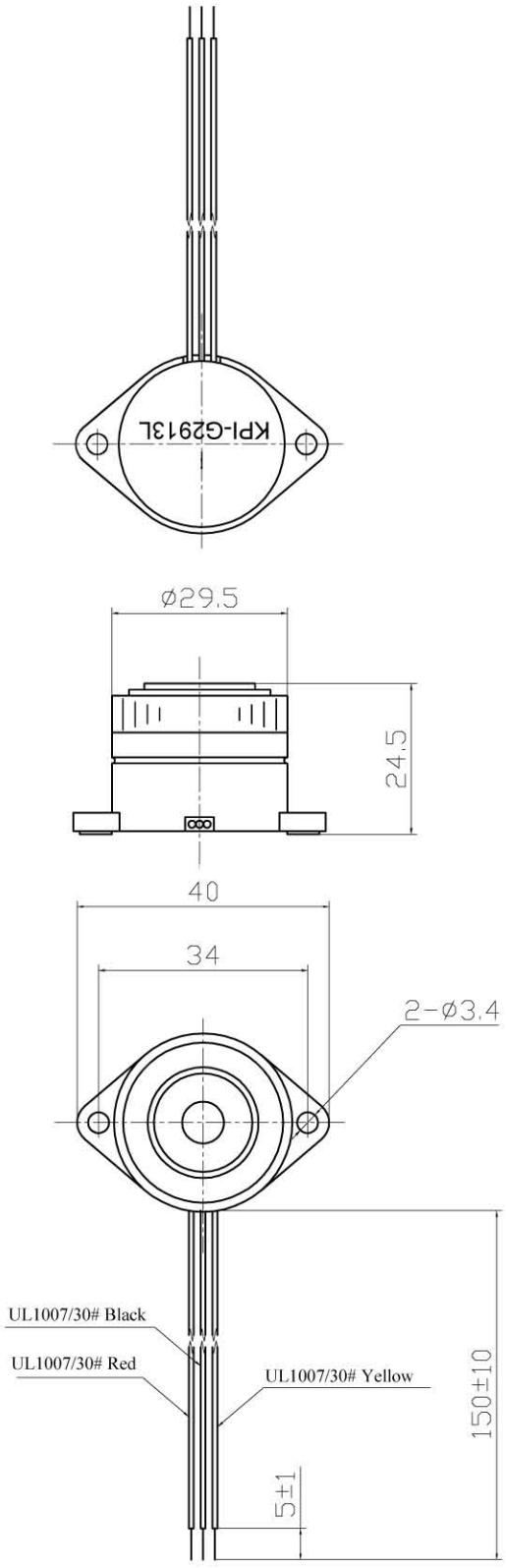
7. 环境性能 Environmental Characteristics

	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)	放置于温度+70±2℃的烘箱内96小时，然后取出，在常温下放置4小时后，测试声响器。 After being placed in a chamber with +70±2℃ for 240 hours and then being placed in natural condition for 4 hours, sounder shall be measured.	符合表1的要求 The measured value shall meet Table 1.
7.2	低温放置 Cold Test (Storage)	放置于温度-30±2℃的制冷箱内96小时，然后取出，在常温下放置4小时后，测试声响器。 After being placed in a chamber with -30±2℃ for 96 hours and then being placed in natural condition for 4 hours, sounder shall be measured.	
7.3	耐湿性 Humidity	放置于 90%～95% R.H.,温度+40±2℃的环境试验箱内96小时，然后取出，在常温下放置4小时后，测试声响器。 After being placed in a chamber with 90 to 95%R.H. at +40±2℃ for 96 hours and then being placed in natural condition for 4 hours, sounder shall be measured.	
7.4	温度循环 Temperature Cycle	先放置于温度-30±2℃的制冷箱内30分钟，然后放置于室温(+20℃)15分钟后, 放置于+70±2℃的烘箱内30分钟， 再放置于室温(+20℃)15分钟. 经过以上循环5次,在常温下放置4小时后，测试声响器。 After being placed in a chamber at -30±2℃ for 30 minutes, sounder shall be placed at room temperature(+20℃).After 15 minutes at this temperature ,sounder shall be placed in a chamber at +70±2℃. After 30 minutes at this temperature, sounder shall be returned to room temperature (+20℃) for 15 minutes. After 5 above cycles, sounder shall be measured after being placed in natural condition for 4 hours.	

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± 10dB Initial Value±10dB

8. Dimensions



FIRST ANGLE PROJECTION

UNIT : mm

Tolerance : ±0.5