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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: Ø42mm

外径:

Ø42 mm

2.2 Height

: 16mm

高度:

16 mm

2.3 Weight

: 13 gr.

重量:

13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 | 3-20VDC |
| 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 | 90dB at 12VDC/30cm |
| 4.2 | 频率 Resonant Frequency | 2.8± 0.5KHz |
| 4.3 | 电流 Max.Rated Current | 20mA at 12VDC |
| 4.4 | 音调 Tone Nature | Fast Pulse |

测试条件参见下项

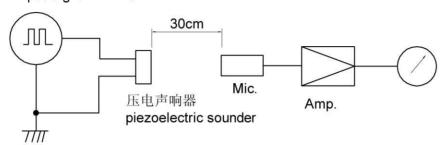
Refer to next item for measuring method.

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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 $\,^{\circ}$ C,Humidity :45 to 85%R.H.)unless the standard condition (Temperature :+25 \pm 3 $\,^{\circ}$ C,Humidity :60 \pm 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 |
| 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. | The measured value shall meet Table 1. |

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7. 环境性能 Environmental Characteristics

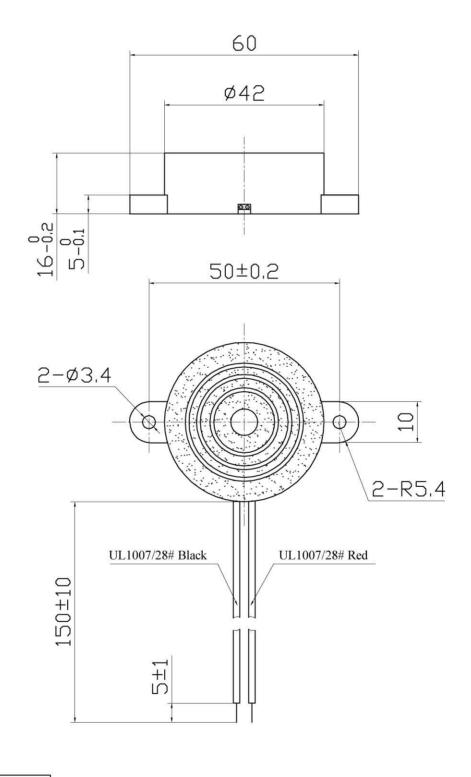
| | 实验项目 Item | 实验条件 Test Condition | 实验后规格 Specification |
|-----|------------------------------------|---|---------------------------------------|
| 7.1 | 高温放置 Dry Heat Test (Storage) | 放置于温度+70±2℃的烘箱内96小时,然后取出,在常温下放置4小时后,测试声响器。 After being placed in a chamber with +70 ±2℃ for 96 hours and then being placed in natural condition for 4 hours, sounder shall be measured. | |
| 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. | 符合表1的要求 The measured value shall meet |
| 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. | Table 1. |
| 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 | 试验后变化量 |
|----------------------|--------------------------|
| Item | Specification after test |
| 声压级 | 初始值±10dB |
| Sound Pressure Level | Initial Value±10dB |

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8. Dimensions



FIRST ANGLE PROJECTION



UNIT : mm

Tolerance:

± 0.5