

规格书

Specification

品名
Model name

HYD-4023

PROPRIETARY
Huayu Electronic co.,Ltd.

CONFIDENTIAL
Huayu Electronic co.,Ltd.

| | |
|----------------|--|
| Version # | Spec V1.1 |
| 制作日期 Date | 2022/03/01 |
| 准备 Prepared | Yi Shen Acoustic specialist,R&D Dept. |
| 承认 Approved | Qian Wanjin Executive Manager,R&D Dept. |



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*Components Operating Div.
Huayu Electronic co.,Ltd.*

1.适用范围：本规范适用于 HYD-4023 蜂鸣器。

This specifications apply the HYD-4023 buzzer.

2.基本规格/General specification

| 项目/Item | 规格/Spec | 条件/Condition |
|--|------------|--|
| 1 额定电压 Rated voltage | 12VDC | |
| 2 工作电压 Operation voltage | 3~24VDC | |
| 3 声压 Sound Pressure Level=SPL | Min 88dB | 测试环境：标准状态，标准驱动电路，额定电压 测试距离：0.1m Standard State,Standard Drive Circuit. Rated voltage,Distance at 0.1m |
| 4 平均消费电流 Average consumption current | Max 15mA | |
| 5 振荡频率 Oscillation frequency | 3300±500Hz | |
| 6 工作温度范围 Range of operation temperature | -20~+70°C | |
| 7 保存温度范围 Range of preservation temperature | -30~+80°C | |
| 8 外部尺寸 Externals size | Φ39.5*22 | 参阅附图 Refer to the attached drawing |
| 9 重量 Mass | 10g | |

☆标准状态：常温（15~35℃），湿度（25~85%相对湿度），空气压力（860~1060hpa）

在假设的情况判断，测试是一基本状态下进行。

Standard State:Ordinary Temp(15~35°C),Humidity(25~85%RH),Air pressure(860~1060hPa)

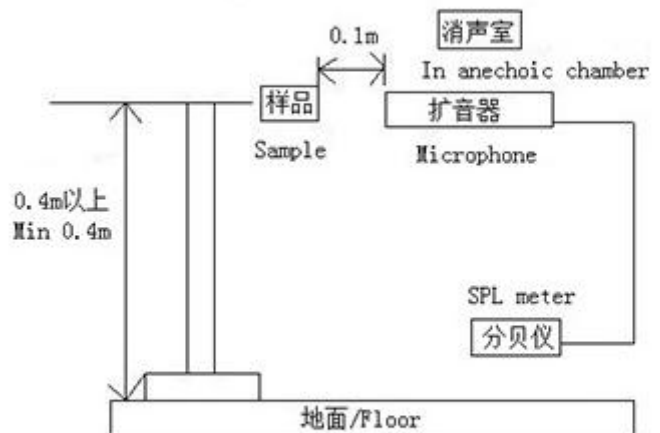
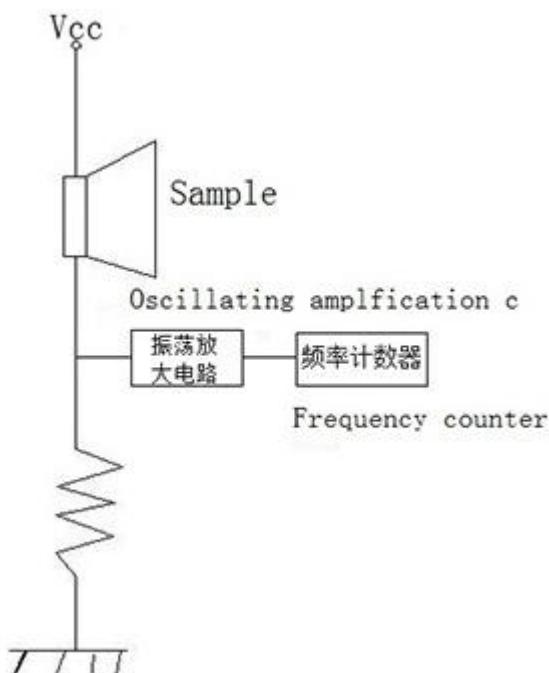
In case of doubtful judgment,the test is re—performed under Basic State.

☆基本情况：温度。（20±2℃），湿度（60~70%相对湿度），空气压力（860~1060hpa）

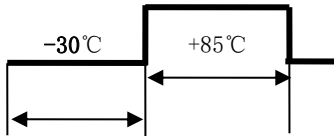
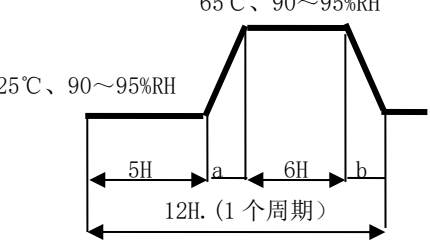
Basic State: Temp.(20±2°C),Humidity(60~70%RH),Air pressure(860~1060hPa)

<标准驱动电路>/<Standard Drive Circuit>

<标标测试治具>/<Standard Test Fixture>



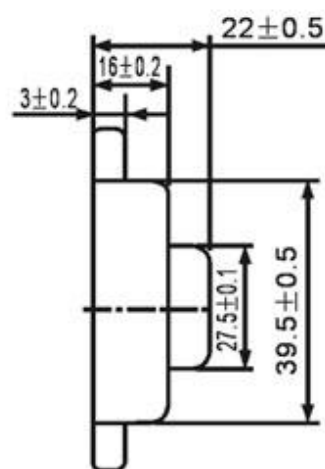
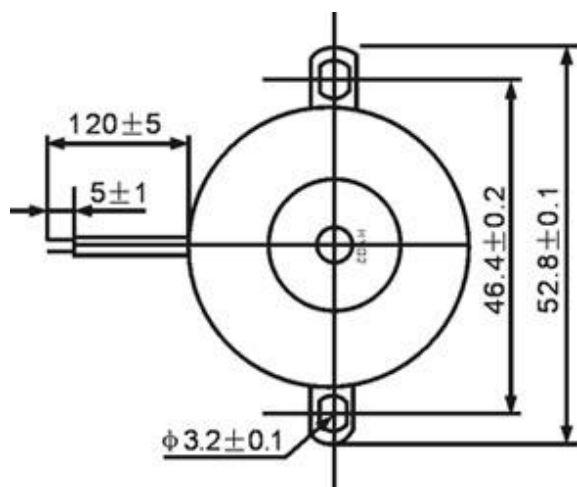
3.可靠性规范/Reliability specification

| 项目/Item | 试验条件/Test condition | 判断标准/Criteria | 引用规格 |
|---|--|--|-------------|
| 高温保存试验 High temperature Preservation | +85℃环境下放置 96 小时 Exposure to +85℃ for 96 hrs. | 经过测试, 符合规格, 没有任何不合格的外观和性能, 除了是 80 分贝或以上 (3300±500 Hz) After the test the part shall meet specifications without any degradation in appearance and performance except SPL. SPL shall be 80 dB More. (at 3300±500 Hz) | GB/T 2423.2 |
| 低温保存试验 Low temperature preservation | -30℃环境下放置 96 小时 Exposure to -30℃ for 96 hrs. | | GB/T 2423.1 |
| 耐温试验 Thermal Shock |  10 次周期 10 cycles | | GB/T 2423.4 |
| 温湿度试验 Thermal, Humidity Shock |  10 cycles | | |
| 常温寿命试验 Ordinary Temp. Life | 常温 (25℃±10℃) 电压 12VDC 连续测试 1000 小时 Driving the sounder at 12VDC for 1000hrs in the room temperature (25℃±10℃) | | |
| 高温寿命试验 High Temp. Life | 高温 (+80℃) 电压 12VDC 连续测试 500 小时 Driving the sounder at 12VDC for 500hrs in the low temperature (+80℃) | | |
| 低温寿命试验 Low Temp. Life | 低温 (-20℃) 电压 12VDC 连续测试 500 小时 Driving the sounder at 12VDC for 500hrs in the low temperature (-20℃) | | |

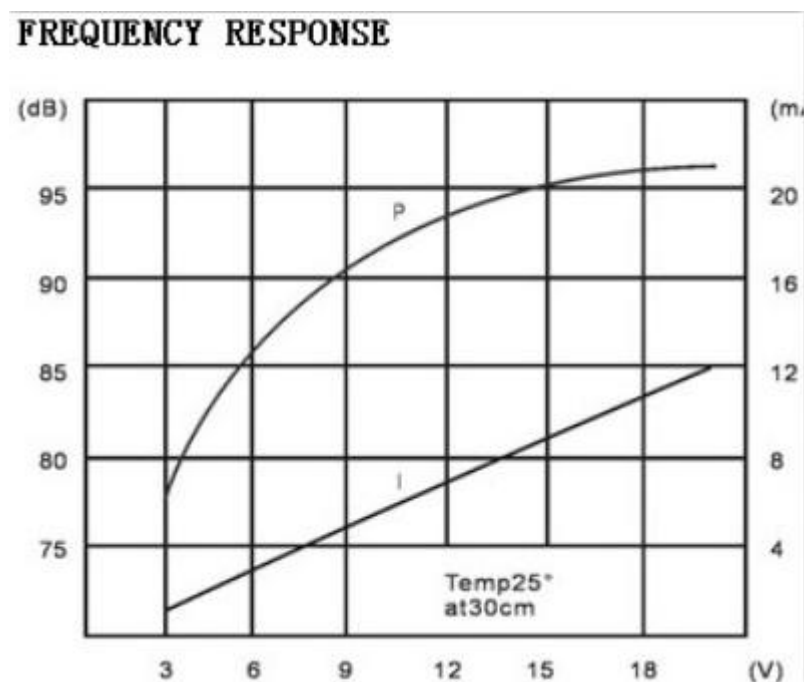
4. 尺寸图/Dimension

(UNT: mm)

Tolerance: ±0.5mm Except Specified



5.频率图/Frequency Response:



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