



深圳市兴华鑫电子科技有限公司

Shenzhen xinghuaxin Electronic Technology Co., Ltd

# 承認書

## SPECIFICATION FOR APPROVAL

客戶 (Customer):

客戶料號 (Customer P/N):

興華鑫型號 (Supplier P/N):

XHXDZ-3015 断续声

產品名稱 (Description):

蜂鸣器 (Buzzer)

產品規格 (Specification):

30\*15MM 断续声

|                                                |                                        |     |     |
|------------------------------------------------|----------------------------------------|-----|-----|
| 客戶承認欄<br>(Customer Authorization<br>Signature) | 深圳市興華鑫電子科技有限公司 承認欄<br>(Supplier Audit) |     |     |
|                                                | 審核                                     | 檢查  | 制作  |
|                                                | 唐国兴                                    | 唐玉来 | 吴银娟 |
|                                                | 日期: 2022 年 04 月 19 日<br>版次: A          |     |     |

# 声音让生活更精彩!

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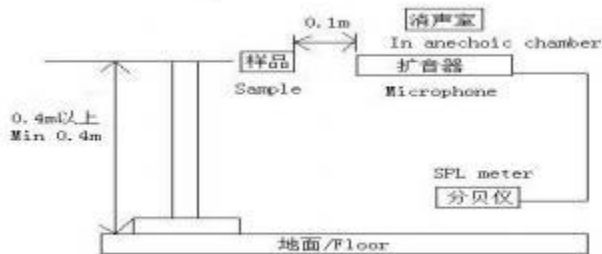
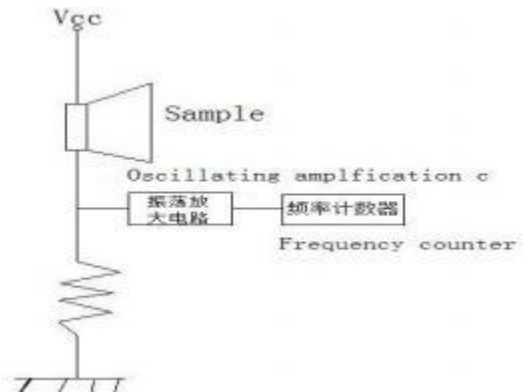
- 1.适用范围：本规范适用于XHxDZ-3015断续声蜂鸣器。  
This specifications apply the XHxDZ-3015B buzzer.
- 2.基本规格/General specification

| 项目/Item |                                             | 规格/Spec                  | 条件/Condition                                                                                                       |
|---------|---------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------|
| 1       | 额定电压<br>Rated voltage                       | 12VDC                    |                                                                                                                    |
| 2       | 工作电压<br>Operation voltage                   | 5~14VDC                  |                                                                                                                    |
| 3       | 声压<br>Sound Pressure Level=SPL              | Min 85dB<br>Typical 85dB | 测试环境：标准状态，标准驱动电路，<br>额定电压<br>测试距离：0.1m<br>Standard State,Standard Drive Circuit.<br>Rated voltage,Distance at 0.1m |
| 4       | 振荡频率<br>Oscillation frequency               | 3100Hz±500HZ             |                                                                                                                    |
| 5       | 响应时间<br>Response time                       | Max 50mS                 | 最低工作电压<br>Lowest operation voltage                                                                                 |
| 6       | 工作温度范围<br>Range of operation temperature    | -20~+80℃                 | 声压 ≥85dB<br>SPL ≥85dB                                                                                              |
| 7       | 保存温度范围<br>Range of preservation temperature | -30~+85℃                 |                                                                                                                    |
| 8       | 引线强度<br>Terminal strength                   | 10N                      | 拉负荷方向的终端轴<br>Pull load on the direction of the<br>terminal axis                                                    |
| 9       | 外部尺寸<br>Externals size                      | Φ30*15                   | 参阅附图<br>Refer to the attached drawing                                                                              |
| 10      | 重量<br>Mass                                  | 8g                       |                                                                                                                    |

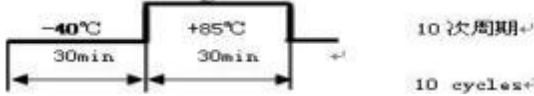
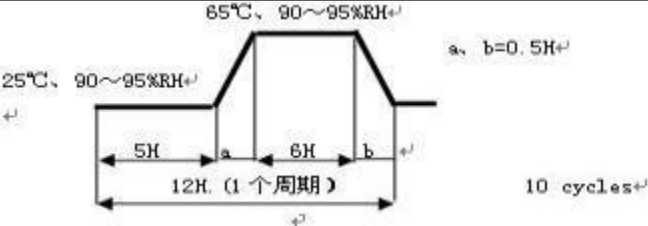
☆标准状态：常温（15~35℃），湿度（25~85%相对湿度），空气压力（860~1060hpa）  
在假设的情况判断，测试是一基本状态下进行。  
Standard State:Ordinary Temp(15~35℃),Humidity(25~85%RH),Air pressure(860~1060hPa)  
In case of doubtful judgment,the test is re—performed under Basic State.

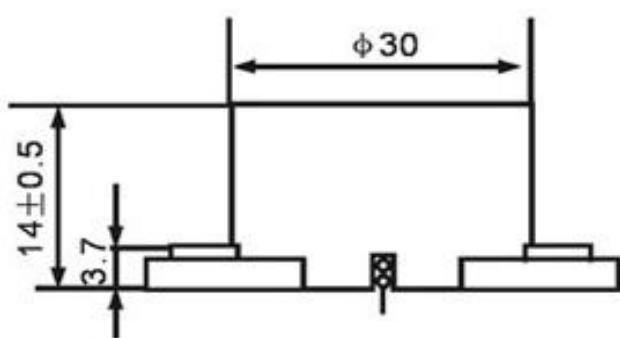
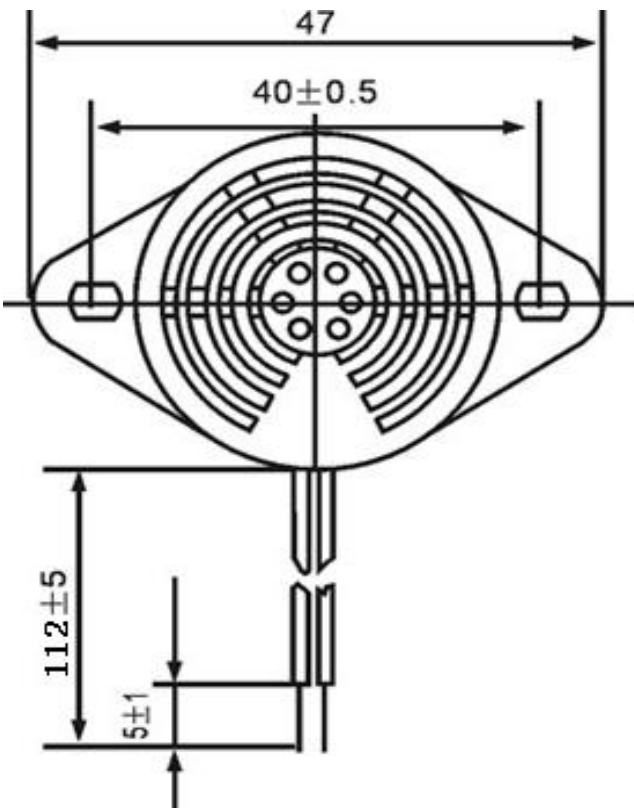
☆基本情况：温度。（20±2℃），湿度（60~70%相对湿度），空气压力（860~1060hpa）  
Basic State: Temp.(20±2℃),Humidity(60~70%RH),Air pressure(860~1060hPa)

〈标准驱动电路〉/〈Standard Drive Circuit〉                      〈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 |
|---------|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 1       | 高温保存试验<br>High temperature Preservation    | +85℃环境下放置48小时<br>Exposure to +85℃ for 48 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85分贝或以上（3300±500 Hz）<br>After the test the part shall meet specificati-<br>-ons without any degra-<br>-dation in appearance<br>And performance except<br>SPL.SPL shall be 85dB<br>More. (at 3300±500 Hz) |      |
| 2       | 低温保存试验<br>Low temperature preservation     | -40℃环境下放置48小时<br>Exposure to -40℃ for 48 hrs.                                                                                                                        |                                                                                                                                                                                                                                     |      |
| 3       | 耐温试验<br>Thermal Shock                      | <br>10 次周期+/-<br>10 cycles+/-                                                       |                                                                                                                                                                                                                                     |      |
| 4       | 温湿度试验<br>Thermal, Humidity Shock           | <br>10 cycles+/-                                                                    |                                                                                                                                                                                                                                     |      |
| 5       | 常温寿命试验<br>Ordinary Temp.Life               | 常温（25℃±10℃） 电压12VDC连续测试48小时<br>Driving the sounder at 12VDC for 48hrs in the room temperature (25℃±10℃)                                                              |                                                                                                                                                                                                                                     |      |
| 6       | 高温寿命试验<br>High Temp.Life                   | 高温（+85℃）电压12VDC连续测试2小时<br>Driving the sounder at 12VDC for 2hrs in the low temperature(+85℃)                                                                         |                                                                                                                                                                                                                                     |      |
| 7       | 低温寿命试验<br>Low Temp.Life                    | 低温（-40℃）电压12VDC连续测试2小时<br>Driving the sounder at 12VDC for 2hrs in the low temperature(-40℃)                                                                         |                                                                                                                                                                                                                                     |      |
| 8       | 端子拉力试验<br>Lead strength                    | 10N的拉力在端子上拉10±1秒<br>Pull load on the direction of the terminal axis for 10±1 sec.                                                                                    |                                                                                                                                                                                                                                     |      |
| 9       | 振动试验<br>Vibration                          | 10~55~10Hz正弦波测试1分钟，振幅 1.52mm 最大91m/S² X, Y, Z三个方向每个2小时总计6小时<br>10~55~10Hz Sinewave, Sweep 1 min, Amplitude 1.52mm Max91m/S² X, Y, Z 3Direction 2hrs each, Total 6hrs |                                                                                                                                                                                                                                     |      |
| 10      | 自由掉落试验<br>Free drop                        | 70cm高自由掉落到厚40mm的木板上，每个方向一次<br>Free drop, 70cm height, on wood boad (t40mm)<br>X, Y, Z 3Direction 1time each, total 3times.                                           | 排除弯曲的针<br>Exclude bending of Pin                                                                                                                                                                                                    |      |
| 11      | 波峰焊耐热试验<br>Wave solderheat resistance test | 262±10℃焊接温度。时间5±0.5sec<br>Soldering into solderbath:Solder Temp. 262±10℃<br>Soaking Time: 5±0.5sec                                                                   | 经过测试，符合规格，没有任何不合格的外观和性能<br>After the test the part Shall meet specificatio-<br>-ns without any degrada-<br>-tion in appearance and performance                                                                                      |      |
| 12      | 耐洗性试验<br>Washability                       | 溶剂：去离子水，溶剂温度：55±5℃， 时间：5±0.5分钟<br>Solvent:deionized water, Solvent temp:55±5℃<br>Soaking time:5±0.5minutes                                                           |                                                                                                                                                                                                                                     |      |
| 13      | 端子可焊性试验<br>Solderability                   | 40℃， 相对湿度90~95%RH放置48小时， 370±5℃焊接温度。<br>时间：6±0.5sec。<br>Pretreatment:40℃, 90~95%RH*48hrs<br>Soldering into solderbath:Solder Temp. 370±5℃<br>Soaking Time: 6±0.5sec  | 端子95%必须覆盖着焊料<br>95% surface of lead pins must be covered with fresh solder and no soldering holes<br>Should be found                                                                                                                |      |



产品曲线图

