



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-9042-12V  
產品名稱 (Description): 蜂鸣器(Buzzer)  
產品規格 (Specification): 有源电磁式

|                                                |                                        |     |     |
|------------------------------------------------|----------------------------------------|-----|-----|
| 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!

地址: 深圳市宝安区新安街道新乐社区新乐路 88 号厂房四层

TEL: 0755-27892904 13652428659

QQ: 438730351 2993501458

E-mail: [xhxdzsound@163.com](mailto:xhxdzsound@163.com)

Http: [www.jsxhxdz.com](http://www.jsxhxdz.com)

# 深圳市兴华鑫电子科技有限公司

## 产品规格内容

### 一. SCOPE 适用范围

This specification applies magnetic buzzer XHxDZ-9042-12V

此规格书适用于 XHxDZ-9042-12V 蜂鸣器

### 二. SPECIFICATION 规格

TEST CONDITION 测试条件

Standard test condition: temp(+5℃~+35℃)、humidity(45~85%)、Air pressure(860~1060mbar).

标准测试条件：温度+5℃~+35℃、湿度 45~85%、气压 860~1060mbar。

Basic test condition: temp(25±2℃)、humidity(60~70%)、Air pressure(860~1060mbar).

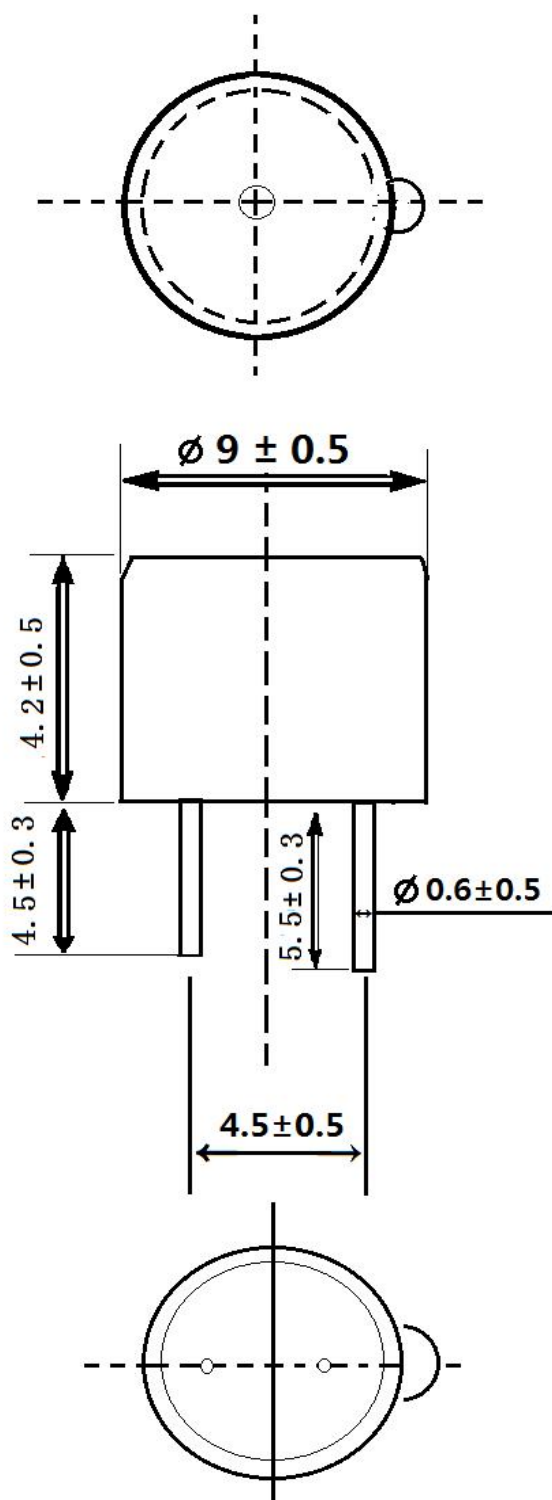
基本测试条件：温度 25±2℃、湿度 60~70%、气压 860~1060mbar。

| NO | Parameter                            | Specification | Unit | Condition                                                                                                                 |
|----|--------------------------------------|---------------|------|---------------------------------------------------------------------------------------------------------------------------|
| 1  | Operating Voltage<br>操作电压            | 8-15          | V    | -                                                                                                                         |
| 2  | Rated Voltage<br>额定电压                | 12            | V    | -                                                                                                                         |
| 3  | Resonant Frequency<br>谐振频率           | 2700          | Hz   | Applying rated voltage,<br>standard test Condition<br>应用于额定电压, 标准测试条件                                                     |
| 4  | Max Rated Current<br>最大电流            | 30            | mA   |                                                                                                                           |
| 5  | Min Sound output(10cm)<br>最小声压(10cm) | 80            | dB   | Distance at 10cm(A-weight free<br>air).Applying rated voltage,<br>standard test condition<br>应用于10 厘米距离, 额定电压, 标<br>准测试条件 |
| 6  | Coil Resistance                      | -             | Ω    | -                                                                                                                         |
| 7  | Response time<br>响应时间                | -             | mS   | Lowest operating voltage                                                                                                  |
| 8  | Operating Temperature<br>操作温度        | -30-70        | ℃    | -                                                                                                                         |
| 9  | Storage Temperature<br>储存温度          | -30-85        | ℃    | -                                                                                                                         |
| 10 | Dimension 尺寸                         | Φ9×4.2        | mm   | 请参照外观尺寸图<br>See attached drawing                                                                                          |
| 11 | Material 材质                          | PBT           |      | -                                                                                                                         |
| 12 | Weight 重量                            | 1             | g    | -                                                                                                                         |

# 深圳市兴华鑫电子科技有限公司

## 产品规格内容

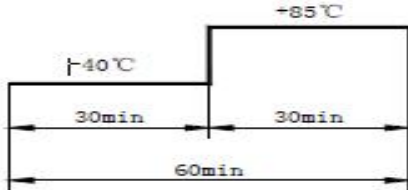
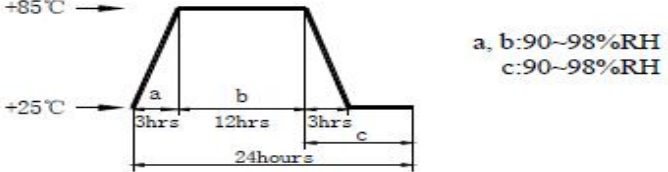
### 三. DIMENSIONS 尺寸图



# 深圳市兴华鑫电子科技有限公司

## 产品规格内容

### 四. RSLIABILITY TEST 性耐性试验

| No. | Item                              | TEST CONDITION AND REQUIREMENT                                                                                                                                                                                                                                                                                                                                                                   | Condition standard                                                                                                                                                                                                                   |
|-----|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | High Temperature Test 高温试验        | After being placed in a chamber at +85℃ for 96 hours.<br>置于+85℃环境中96 小时。                                                                                                                                                                                                                                                                                                                         | After the test the part shall meet specifications without any degradation in appearance and performance except SPL after 4 hours at +25℃. The SPL shall be 85 dB or More.<br>经测试后，静置于+25℃环境中4 小时后，单体除声压外，外观及电气特性须符合规格，输出声压为85 dB 以上。 |
| 2   | Low Temperature Test 低温试验         | After being placed in a chamber at -40℃ for 96 hours.<br>置于-30℃环境中 96 小时。                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                      |
| 3   | Temperature Shock Test 温度冲击试验     | The part shall be subjected to 10 cycles, one cycle shall consist of. 单体承受热冲击循环试验 10 次，循环内容如图所示。<br>                                                                                                                                                                                                           |                                                                                                                                                                                                                                      |
| 4   | Temperature Cycle Test 温度循环试验     | The part shall be subjected to 10 cycles, one cycle shall consist of. 单体承受温度/湿度循环试验 10 次，循环内容如图所示。<br>                                                                                                                                                                                                       | Wave soldering temperature 265℃ ±5℃ and soldering time 3 to 5seconds<br>可承受波峰焊接温度265℃±5℃，焊接时间3-5秒。                                                                                                                                   |
| 5   | Operating life test 寿命测试          | 1. Ordinary temperature/室温寿命测试<br>The part shall be subjected to 1000 hours at room temperature (+25 ±10℃)with 12V.<br>在室温(+25±10℃)下，输入12V，连续操作1000 小时。<br>2. High temperature<br>The part shall be subjected to 500 hours at +70℃ with 12V.<br>在+70℃环境下，输入 12V，连续操作 500 小时。<br>3. Low temperature<br>The part shall be subjected to 500 hours at -30℃ with 12V.<br>在-30℃环境下，输入 12V，连续操作 500 小时。 |                                                                                                                                                                                                                                      |
| 6   | Terminal Mechanical Strength 端子强度 | The part shall be more than 10N on the direction of terminal for 10±1seconds .<br>沿端子轴向方向对单体施以 10N 拉力 10±1 秒。                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                      |
| 7   | Vibration 振动试验                    | The part shall be subjected to a vibration cycle of 10Hz to 55Hz to10Hz in a period of 1 minute. Total peak amplitude shall be 1.52mm.<br>The vibration test shall consist of 2 hours per axis in each three axes(X, Y, Z), total 6 hours.<br>振幅1.52mm，频率10Hz-55Hz-10Hz，时间1 分钟。X, Y, Z 三个方向各 2 小时，共 6 小时。                                                                                        | After the test the part shall meet specifications without any damage in appearance and performance except SPL shall be 85dB or more.<br>经试验后，单体除声压外，外观及电气特性须符合格。输出声压85dB 以上。                                                         |
| 8   | Drop test 落下试验                    | The part only shall be dropped from a height of 75cm onto a 40mm Thick wooden board 3 times in 3 axes(X, Y, Z).<br>单体从75 厘米高处，X, Y, Z 三个方向各三次，落于40mm 厚的木板上。                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                      |

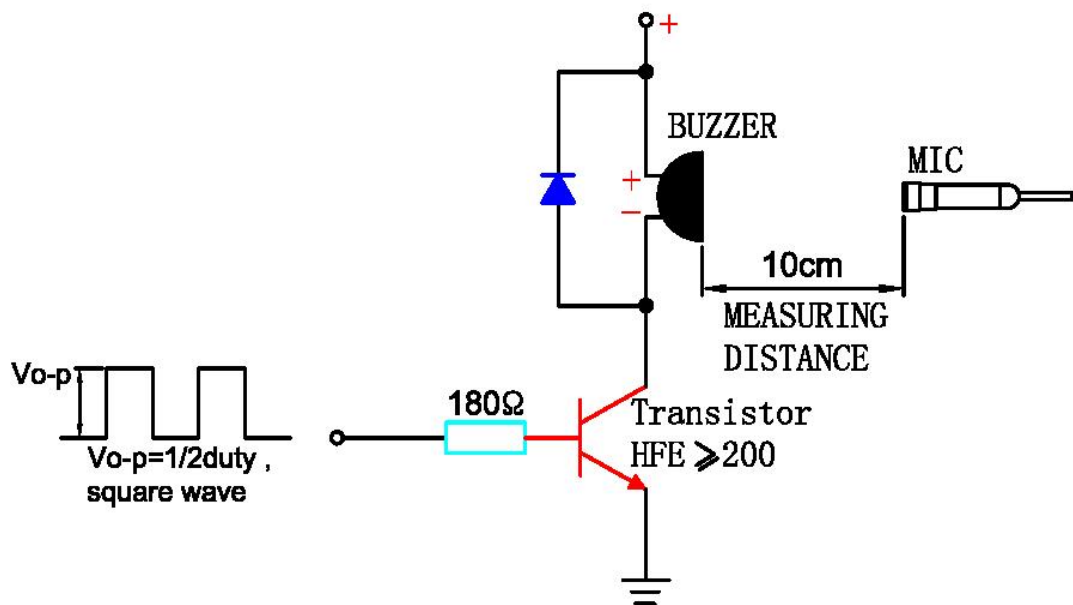
# 深圳市兴华鑫电子科技有限公司

## 产品规格内容

### 五. MEASUREMENT SYSTEM 测量系统

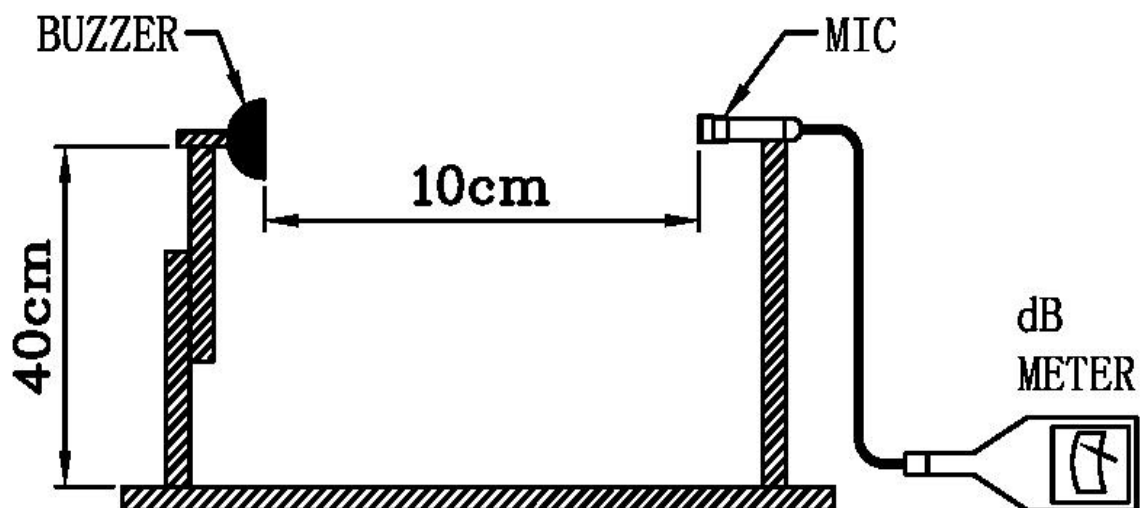
The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below(Recommend Driving Circuit)

振荡频率、电流消耗和声压由测量仪器如下所示（推荐驱动电路）



In the measuring test, buzzer is placed as follows:

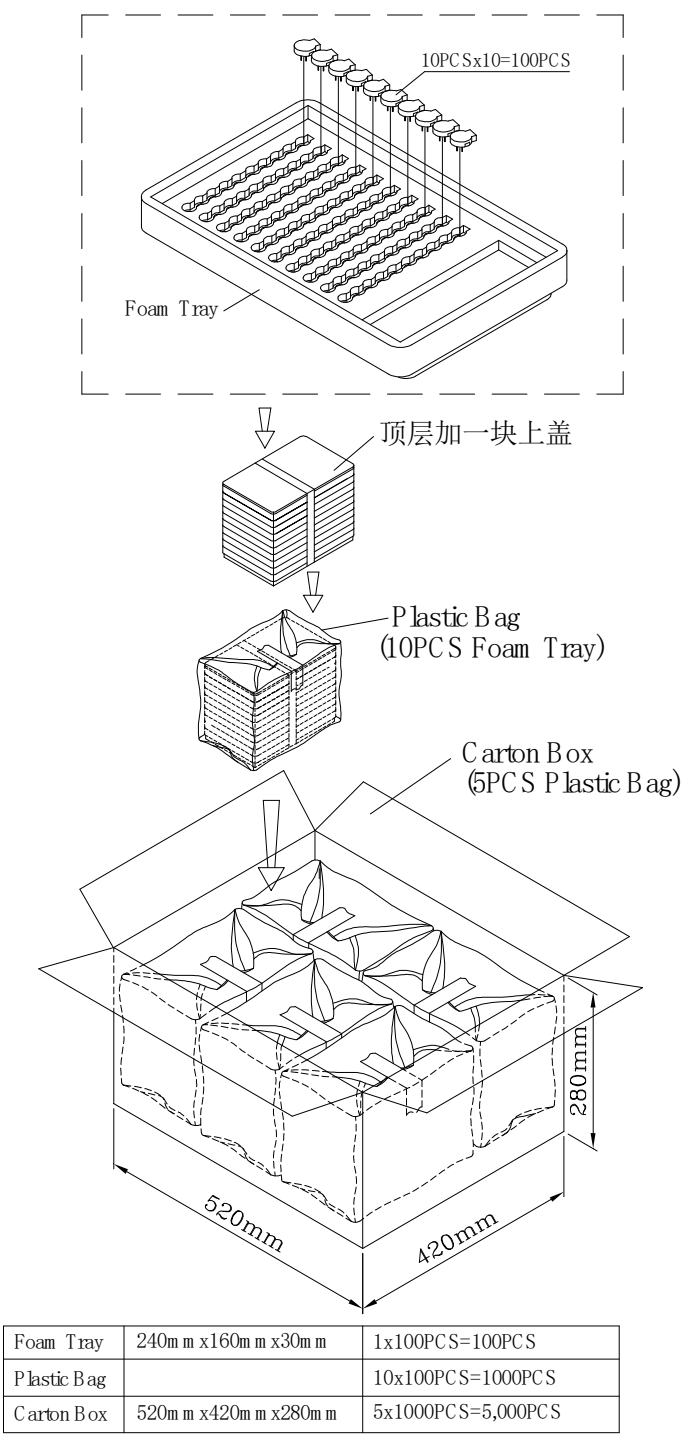
在测量测试中，蜂鸣器的位置如下



# 深圳市兴华鑫电子科技有限公司

## 产品规格内容

### 六. PACKING STANDARD 包装规格



Unit: mm

TOL:±0.2