



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-2310 无源插针  
產品名稱 (Description): 蜂鸣器 (Buzzer)  
產品規格 (Specification): 23\*10MM

|                                                |                                        |     |     |
|------------------------------------------------|----------------------------------------|-----|-----|
| 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 |
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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)

## 1.基本规格/General specification

| 项目/Item |                              | 规格/Spec                            | 条件/Condition                                                                                                       |
|---------|------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| 1       | 额定电压 Rated voltage           | 12V                                |                                                                                                                    |
| 2       | 工作电压 Operation voltage       | 1-30V                              |                                                                                                                    |
| 3       | 声压 Sound Pressure Level=SPL  | $\geq 85$ at 4.0KHz<br>Square Wave | 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       | 电流 current                   | Max8mA                             |                                                                                                                    |
| 5       | 振荡频率 Oscillation frequency   | 3500 $\pm$ 500HZ                   |                                                                                                                    |
|         |                              |                                    |                                                                                                                    |
| 7       | 工作温度范围 Operating Temperature | -20 $\sim$ +70 $^{\circ}$ C        |                                                                                                                    |
| 8       | 保存温度范围 Storage temperature   | -30 $\sim$ +80 $^{\circ}$ C        |                                                                                                                    |
| 9       | 外部尺寸 Externals size (mm)     | $\Phi 23*H10$                      | 参阅附图 Refer to the attached drawing                                                                                 |
| 10      | 重量 Mass                      | 3g                                 |                                                                                                                    |
| 11      | 材质 Housing Material          | ABS                                |                                                                                                                    |

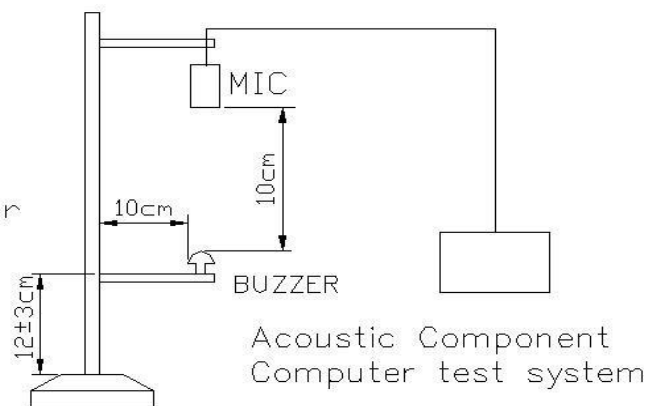
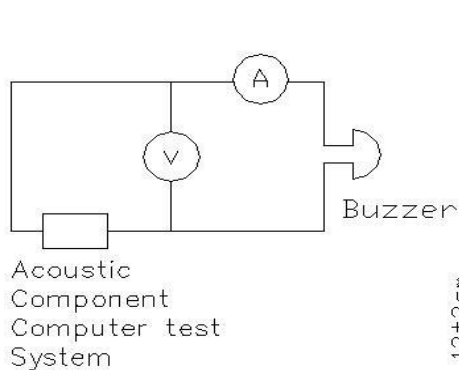
## 2.电气和声学测试条件/Electrical And Acoustical Measuring Condition

### 驱动电路/Recommended Driving Circuit

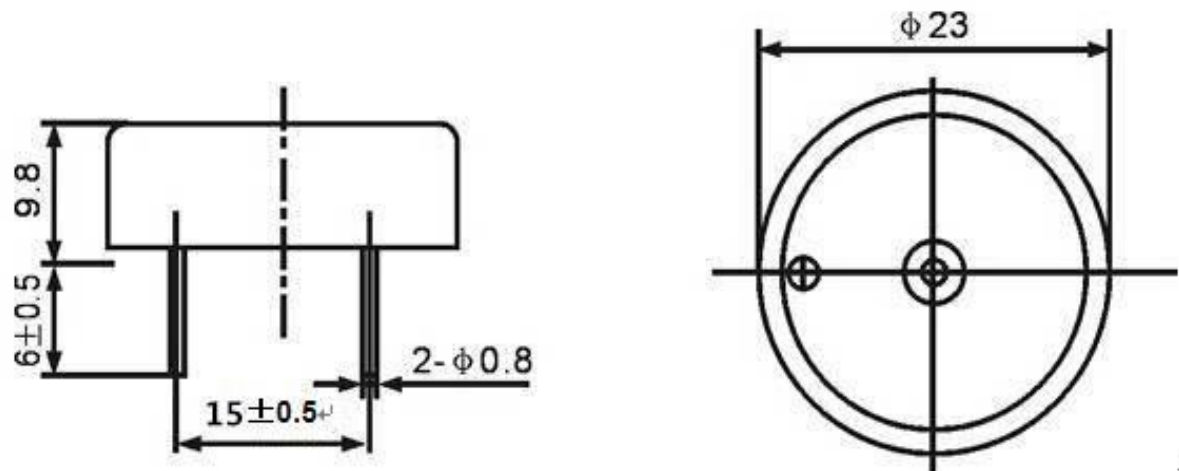
### 设置 Recommended Setting

Resonant frequency, 1/2 duty cycle. Square wave.

Signal amplitude should be large enough to saturate the transistor.



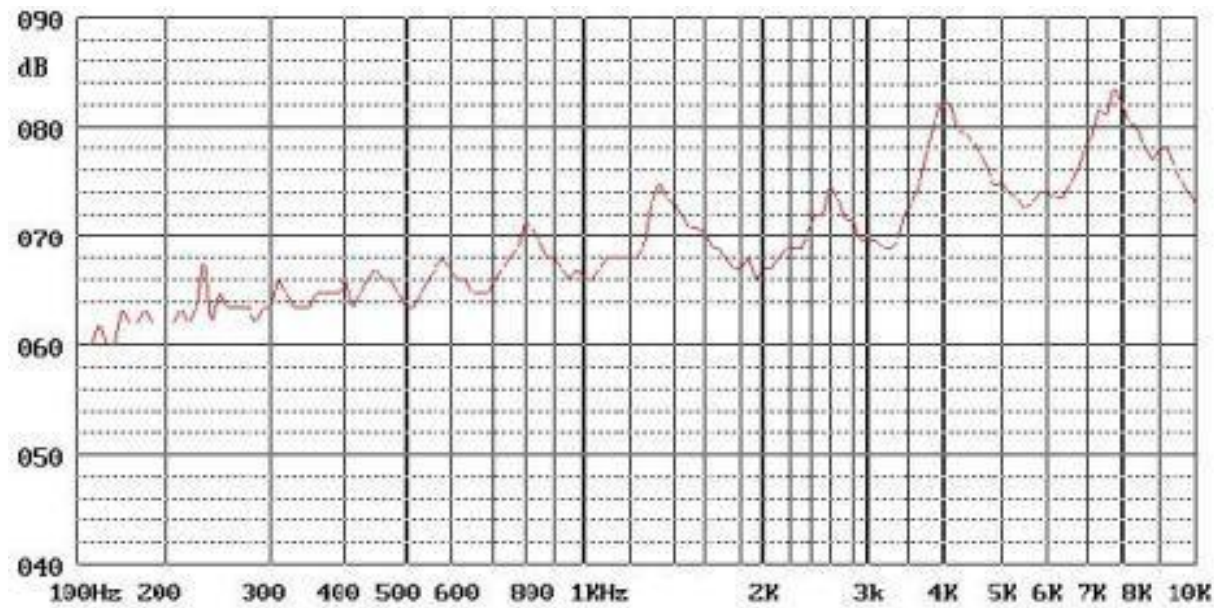
3.尺寸图 Dimension



\*Unit: mm; Tolerance:  $\pm 0.3\text{mm}$  Except Specified

\*Housing Material: BlackABS

4.频率响应/Frequency Response



12Vo-p 50% duty Square wave, 10cm