



常州市嘉传电子有限公司
Changzhou Jiachuan Electronics Co., Ltd.

SPECIFICATION FOR APPROVAL

产品规格承认书

JC-BUZ1614-A01 有源蜂鸣器 / Active Buzzer

Item 项目	Information 信息
Customer 客户	
Customer P/N 客户料号	
Supplier 供应商	常州市嘉传电子有限公司 Changzhou Jiachuan Electronics Co., Ltd.
Jiachuan P/N 嘉传型号	JC-BUZ1614-A01
Description 产品名称	有源蜂鸣器 / Active Buzzer
Specification 产品规格	详见技术规格 / See Technical Specifications
Issue Date 发行日期	2026-09-08
Revision 版本	A0

Approval / 签核

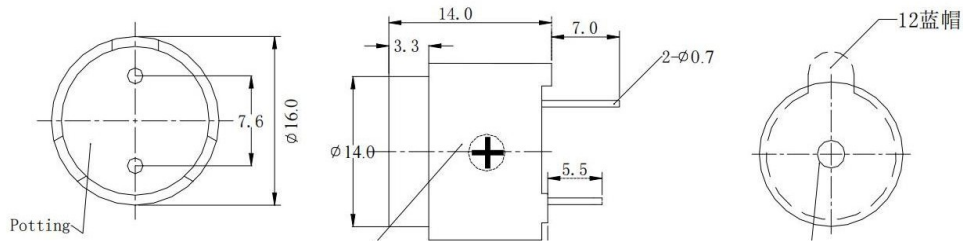
Prepared 制作	Checked 审核	Approved 批准	Company Seal 公司印章
李明珠	王敏娜	黄继桥	



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A. Dimensions / 外形尺寸 Unit: mm Tolerance: ± 0.5 mm



Drawing Notes / 图纸注释：侧面银色油墨 = Silver ink on side ; 12 蓝帽 = No. 12 blue cap ; Sound Emission Hole = 发声孔。

B. Specifications / 电气规格

Model No. / 型号	JC-BUZ1614-A01
Rated Voltage / 额定电压	3 / 5 / 12 VDC
Operating Voltage / 工作电压	2.0–14.0 VDC
Max. Rated Current / 最大额定电流	Max. 35 mA
Sound Pressure Level @12 VDC / 10 cm / 声压级	Min. 80 dB
Resonant Frequency / 谐振频率	2300 $\pm$ 300 Hz
Operating Temperature / 工作温度	-20 °C to +70 °C
Storage Temperature / 储存温度	-30 °C to +80 °C
Case Material and Color / 外壳材料及颜色	PPO / Black

Measuring Condition / 测量条件

Temperature 5–35°C, Relative Humidity 45%–85%RH, Atmospheric Pressure 860–1060 hPa; unless otherwise specified, standard condition: Temperature 25 $\pm$ 3°C, Relative Humidity 60 $\pm$ 10%RH, Atmospheric Pressure 860–1060 hPa.

测量条件：温度 5–35°C、相对湿度 45%–85%RH、大气压 860–1060 hPa；如无特别说明，标准条件为温度 25 $\pm$ 3°C、相对湿度 60 $\pm$ 10%RH、大气压 860–1060 hPa。



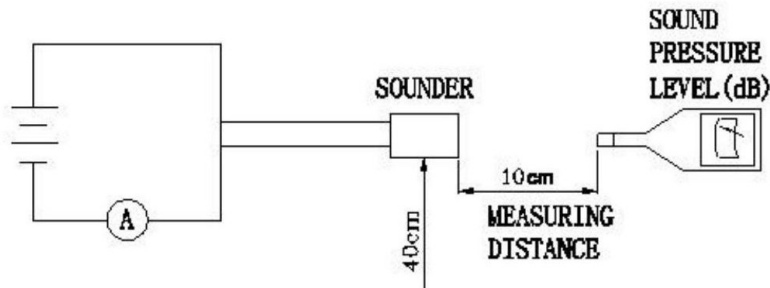
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C. Acoustic Characteristics / 声学特性测试

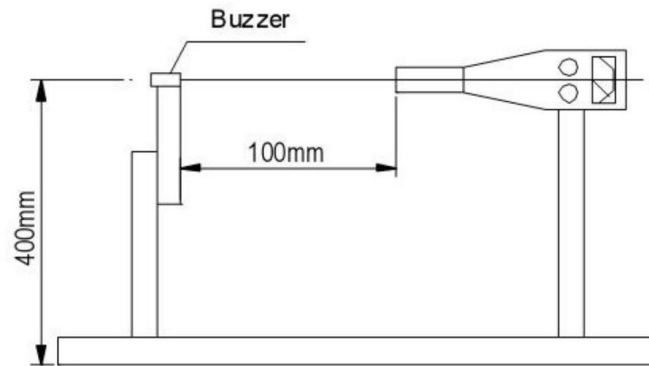
The oscillation frequency, current consumption and sound pressure are measured using the arrangement shown below. / 振荡频率、电流消耗及声压按下图所示装置测量。

measuring instruments shown below



Measuring Placement / 测试摆放

In the measuring test, buzzer is placed as follows:



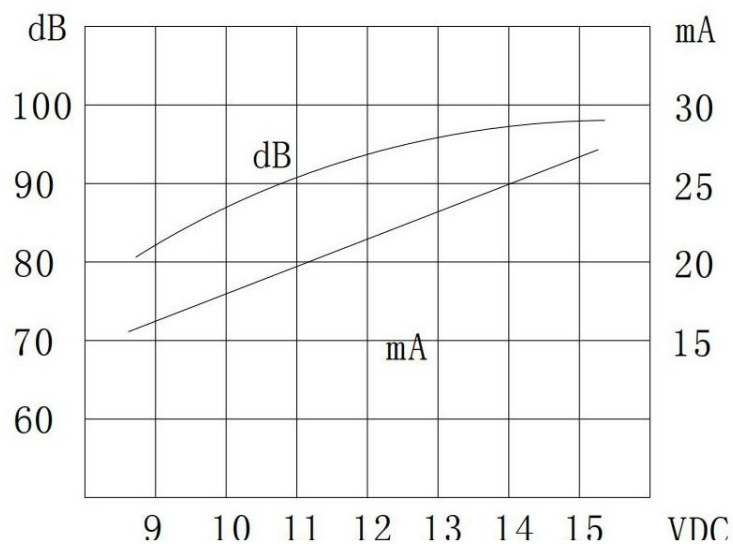
Buzzer and sound level meter are positioned as shown; measuring distance is 10 cm. / 蜂鸣器与声级计按图示摆放，测量距离为 10 cm。



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D. Typical Frequency Response Curve / 典型频率响应曲线



Typical characteristic curve showing sound pressure level and current versus DC voltage. / 典型特性曲线：显示声压级、电流与直流电压的关系。



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E. Reliability Test / 可靠性试验

After any of the following tests, the part shall meet specifications without degradation in appearance and performance except SPL. SPL shall not deviate more than -10 dB from the initial value. / 以下试验后，除声压级外，产品外观及性能应符合规格要求；声压级相对初始值下降不得超过 10 dB。

1. Ordinary Temperature Life Test / 常温寿命试验

96 hours at 25±10°C; input rated voltage; resonant frequency; 1/2 duty square wave. / 25±10°C下 96 小时；输入额定电压；谐振频率；1/2 占空比方波。

2. High Temperature Test / 高温试验

Storage at +80°C for 96 hours. / +80°C 储存 96 小时。

3. Low Temperature Test / 低温试验

Storage at -30°C for 96 hours. / -30°C 储存 96 小时。

4. Humidity Test / 湿热试验

+40°C±3°C; Relative Humidity 90%–95%; 48 hours; then expose to room temperature for 6 hours. / +40°C±3°C、相对湿度 90%–95% 条件下 48 小时，之后室温放置 6 小时。

5. Temperature Shock Test / 温度冲击试验

70°C/1 h → 25°C/3 h → -30°C/1 h → 25°C/3 h (1 cycle); total 10 cycles. / 70°C/1 小时→25°C/3 小时→-30°C/1 小时→25°C/3 小时为 1 循环，共 10 循环。

6. Drop Test / 跌落试验

Standard packaging; drop from 120 mm onto hard wood or 5 cm-thick board, three sides, six planes. / 标准包装，从 120 mm 高度跌落至硬木或 5 cm 厚木板，三六面。

7. Vibration Test / 振动试验

1000 cycles/min; amplitude 1.5 mm; 1 hour in each of 3 axes. / 1000 次/分钟；振幅 1.5 mm；三个轴向各 1 小时。

Note / 注意事项

This product is not protected from foreign material entering. Ensure magnetic powder, washing solvent, flux, corrosive gas, etc. do not enter during production; otherwise functional degradation such as SPL reduction may occur. / 本品无防物入保。生程中避免磁粉、洗溶、助、腐性等入品，否可能致下降等性能劣化。

F. Packaging / 包装方式

可按客户要求包装 / Packaging can be arranged according to customer requirements.