



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-BUZ0942-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-BUZ0942-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

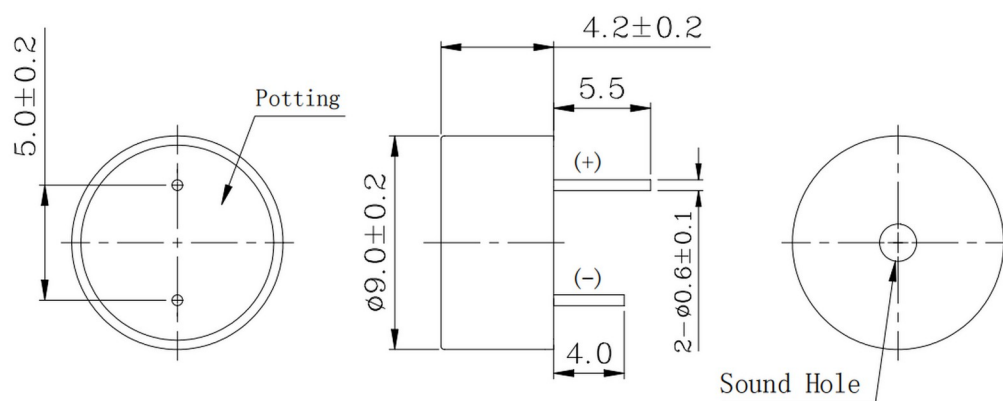
Prepared 制作	Checked 审核	Approved 批准	Company Seal 公司印章
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A. Dimensions / 外形尺寸



Unit: mm Tolerance: ± 0.5

B. Specifications / 电气规格

Item / 项目	Specification / 规格
Model No. / 型号	JC-BUZ0942-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. 30 mA
Sound Pressure Level (dB) at 10 cm / 声压级	Min. 85 dB
Resonant Frequency / 谐振频率	2700 $\pm$ 300 Hz
Operating Temperature / 工作温度	-20°C ~ +75°C
Storage Temperature / 储存温度	-30°C ~ +80°C
Case Material and Color / 外壳材料及颜色	PPS / Black

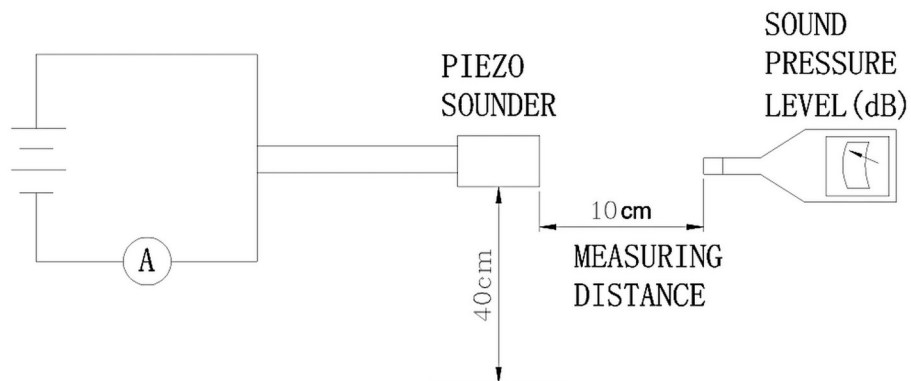
Measuring Condition / 测量条件

Part shall be measured under a condition (Temperature: 5~35°C, Humidity: 45%~85% R.H., Atmospheric pressure: 860~1060 hPa) unless the standard condition (Temperature: 25 $\pm$ 3°C, Humidity: 60 $\pm$ 10% R.H., Atmospheric pressure: 860~1060 hPa) is regulated to measure.

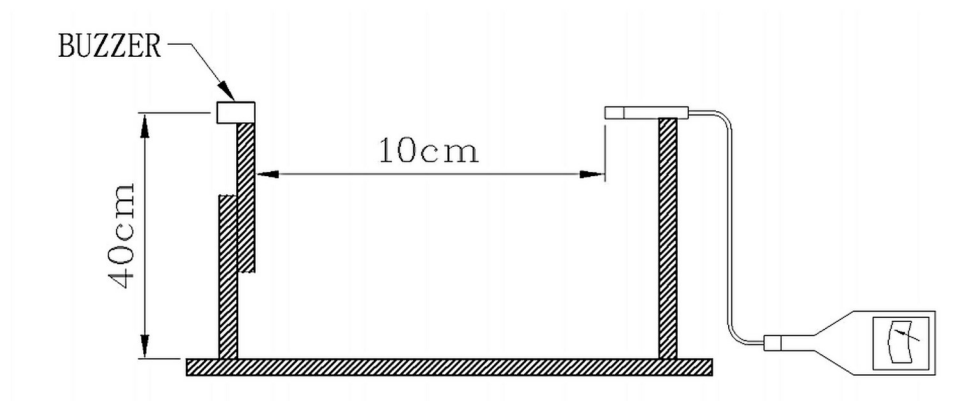
测量条件：温度 5~35°C、相对湿度 45%~85% R.H.、大气压 860~1060 hPa；如无特别规定，标准测量条件为温度 25 $\pm$ 3°C、相对湿度 60 $\pm$ 10% R.H.、大气压 860~1060 hPa。

C. Acoustic Characteristics / 声学特性测试

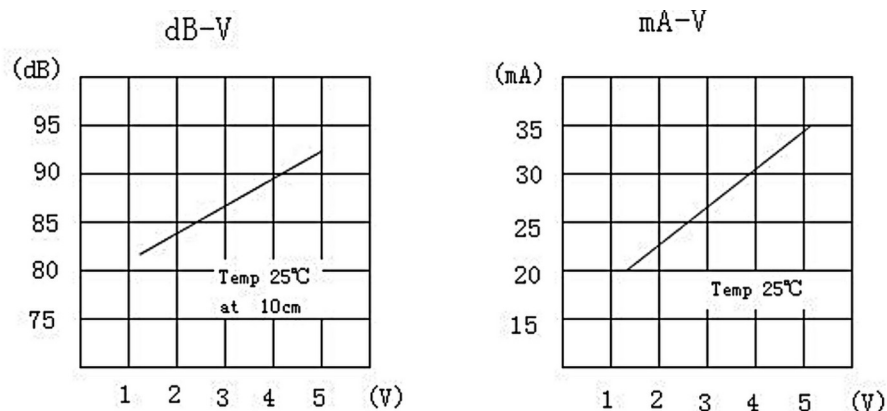
The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below. / 振荡频率、电流消耗及声压按下图所示装置测量。



D. In the measuring test, buzzer is placed as follows / 测试摆放



E. Typical Frequency Response Curve / 典型特性曲线





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F. Reliability Test / 可靠性试验

Acceptance Criterion / 判定标准: After any following tests the part shall meet specifications without any degradation in appearance and performance except SPL. SPL shall not deviate more than -10 dB from the initial value.

以下任一试验后，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。

No.	Test Item / 试验项目	Condition / 条件
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 temperature +80°C for 96 hours. +80°C 储存 96 小时。
3	Low Temperature Test / 低温试验	Storage temperature -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%; Duration 48 hours; expose to room temperature for 6 hours. +40°C±3°C、相对湿度 90%~95% 件下 48 小时；之后室温放置 6 小时。
5	Temperature Shock Test / 温度冲击试验	75°C / 1 hour → 25°C / 3 hours → -30°C / 1 hour → 25°C / 3 hours (1 cycle). Total: 10 cycles. 75°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 From 120 mm (Drop on hard wood or board of 5 cm thick, three sides, six plain.) 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	Vibration: 1000 cycles/min. Amplitude: 1.5 mm. Duration: 1 hour in each 3 axes. 振动：1000 次/分钟；振幅 1.5 mm；三个轴向各 1 小时。

G. Note / 注意事项

As this product is not protected from foreign material entering, please make sure that any foreign materials (e.g. magnetic powder, washing solvent, flux, corrosive gas) do not enter this product in your production processes. The functional degradation (e.g. SPL down) may occur if foreign material enter it.

本品无防物入保。生程中保磁粉、洗溶、助、腐性等物不得入品，否可能致下降等功能劣化。

H. Packing / 包装方式

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