



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-BUZ12085-P01 无源蜂鸣器 / Passive 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-BUZ12085-P01
Description 产品名称	无源蜂鸣器 / Passive Buzzer
Main Specification 主要规格	Ø12×8.5mm 3/5/12V 1.0–14.0V 16/42/120±15%Ω Min.85dB 2048Hz
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	

Customer Confirmation / 客户确认

Signature / 签字 : _____ Date / 日期 : _____



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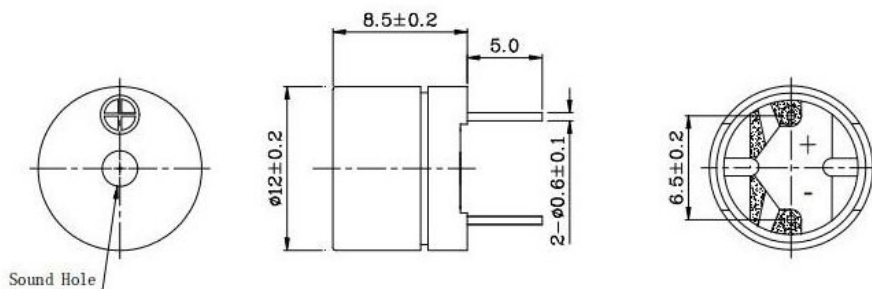
PRODUCT SPECIFICATION / 产品规格内容

Model No.: JC-BUZ12085-P01 Date: 2026-09-08 Revision: A0

1. Mechanical Dimensions / 外形尺寸

Unit: mm Tolerance: ± 0.5

A: DIMENSIONS Unit: mm Tolerance: ± 0.5



2. Electrical & Acoustic Specifications / 电气与声学规格

Item / 项目	Specification / 规格
Rated Voltage / 额定电压	3/5/12V
Operating Voltage / 工作电压	1.0–14.0V
Max. Rated Current / 最大额定电流	Max.50mA
Coil Resistance / 线圈电阻	16/42/120 $\pm 15\%$ Ω
Sound Pressure Level / 声压级	Min.85dB at 10cm
Resonant Frequency / 谐振频率	2048Hz
Operating Temperature / 工作温度	-20°C to +60°C
Storage Temperature / 储存温度	-30°C to +70°C
Case Material and Color / 外壳材料及颜色	ABS / Black

3. Measuring Condition / 测量条件

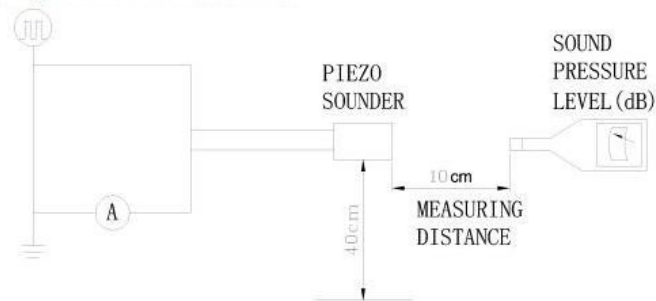
Part shall be measured under a condition (Temperature: 5–35°C, Humidity: 45%–85% R.H., Atmospheric pressure: 860–1060hPa) unless the standard condition (Temperature: 25±3°C, Humidity: 60±10% R.H., Atmospheric pressure: 860–1060hPa) is regulated to measure.

备注：适用于手工焊接

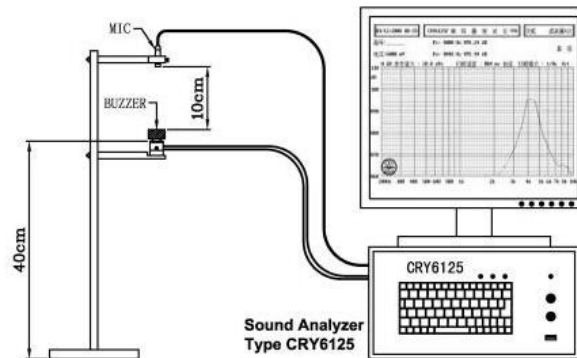
4. Acoustic Characteristics / 声学特性

C: Acoustic Characteristics:

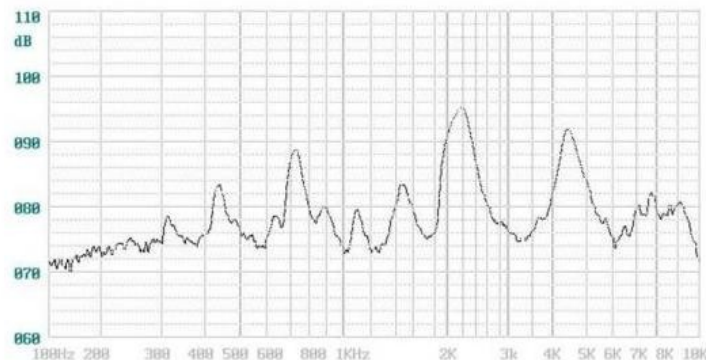
The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below



In the measuring test, buzzer is placed as follows:



D: Typical Frequency Response Curve





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5. Reliability Test / 可靠性测试

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

1. Ordinary Temperature Life Test

The part shall be subjected to 96 hours at $25 \pm 10^\circ\text{C}$. Input rated voltage
Resonant frequency, 1/2 duty Square wave.

2. High Temperature Test

The part shall be capable of with standing a storage temperature of $+70^\circ\text{C}$ for 96 hours.

3. Low Temperature Test

The part shall be capable of with standing a storage temperature of -30°C for 96 hours.

4. Humidity Test

Temperature: $+40^\circ\text{C} \pm 3^\circ\text{C}$ Relative Humidity: 90% ~ 95% Duration: 48 hours
and expose to room temperature for 6 hours

5. Temperature Shock Test

Temperature: 60°C /1hour $\rightarrow$ 25°C /3hours $\rightarrow$ -30°C /1hour $\rightarrow$ 25°C /3hours (1cycle)
Total cycle: 10 cycles

6. Drop Test

Standard Packaging From 120mm (Drop on hard wood or board of 5cm thick,
three sides, six plain.)

7. Vibration Test

Vibration: 1000cycles /min. Amplitude: 1.5mm, Duration: 1 hour in each 3 axes

Note:

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.

6. Packaging / 包装方式

按客户要求包装。 / Packaging according to customer requirements.