

To: _____

Approval Sheet for Product Specification 请 承 认 书

PRODUCT NAME	【产品名称】:	BUZZER
CUSTOMER PART NO	【客户型号】:	
QINGLONG PART NO	【我司型号】:	YMD-1606A
DESCRIPTION	【规格】:	DC6V,2.2±0.3KHz
DRAWWING NO	【产品图号】:	

【注意/Note】

1. This product shall comply with ROHS. 本品符合欧洲 ROHS 规定指令。
2. SUPPLIERS SHALL PRESENT THE SAMPLES BEFOREHAND TO HAVE THEM AUTHORIZED BY THE CUSTOMER, IN CASE OF CHANGES, SUCH AS DIE &MOLD, MANUFACTURING PROCESS, MATERIAL, APPEARANCE, AND INSPECTION etc. , THE SAME PROCEDURE IS REQUIRED. 此部品确认后. 如模具、制造方法、材料、外观、检查等发生变更的情况下必须事前由双方进行合议。

APPROVAL SEAL (承认印):				
DISCUSS		RESOLUTION		
QA	PURCHASE	ISSUED BY	CHECKED BY	APPROVED BY

SUPPLIER: Changzhou QINGLONG Electronic Components Co., LTD

常州市青龙电子器件有限公司

(prepared seal 供应商印)

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SIGNATURE	Issued by 担当	Checked by 核查	Approved by 确认	Date 日期
	Shi Weilan	Zou Eryong	Miao Qiuyun	2023.03.16

产 品 规 格 书

SPECIFICATION FOR BUZZER

1. SCOPE (适用)

This product specification is applied to the magnetic buzzer used for sounder in alarm systems.
(这种规格产品属于蜂鸣器广泛用于发声系统)

2. PART NUMBER (品名及贵司相关事项)

- 2-1 QINLON Part Number : YMD-1606A
 本司产品型号
- 2-2 Customer's Part Number :
 客户产品型号
- 2-3 Customer's Drawing Number :
 客户规格书编号

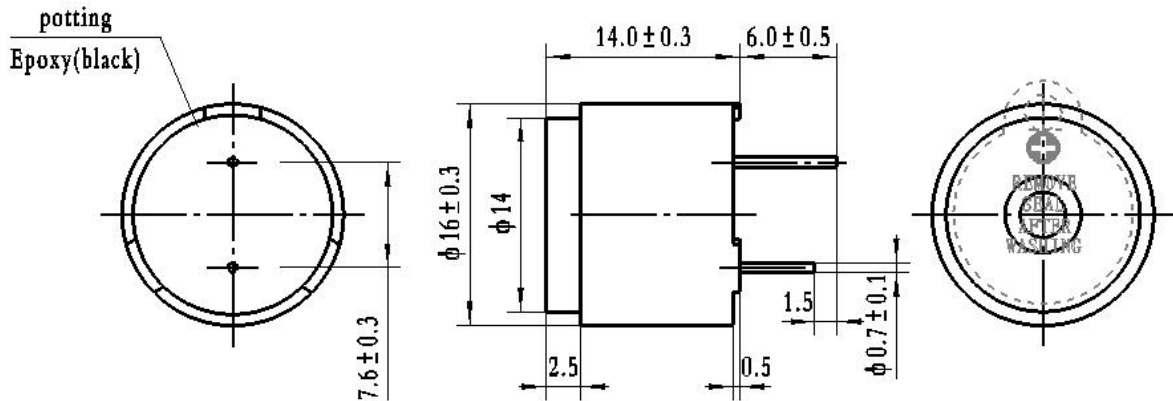
3. SPECIFICATIONS (规格)

Part No.	YMD-1606A	
Item (项目)	Specifications [规格]	Conditions[条件]
Rated voltage (VDC) 额定电压	6	
Operating voltage (VDC) 工作电压	4~7	
Rated current (mA) 消耗电流	Max 30	DC6V
Sound output at 10cm (dB) 输出声压级	≥85	DC6V/10cm
Resonant Frequency (kHz) 额定频率	2200±300Hz	DC6V/10cm
Operating Temperature (°C) 工作温度	-40~+85	
Storage Temperature (°C) 储存温度	-40~+85	
Case Material/Color (外壳材料及颜色)	PBT/Black	
Weight (g) 重量	5g	

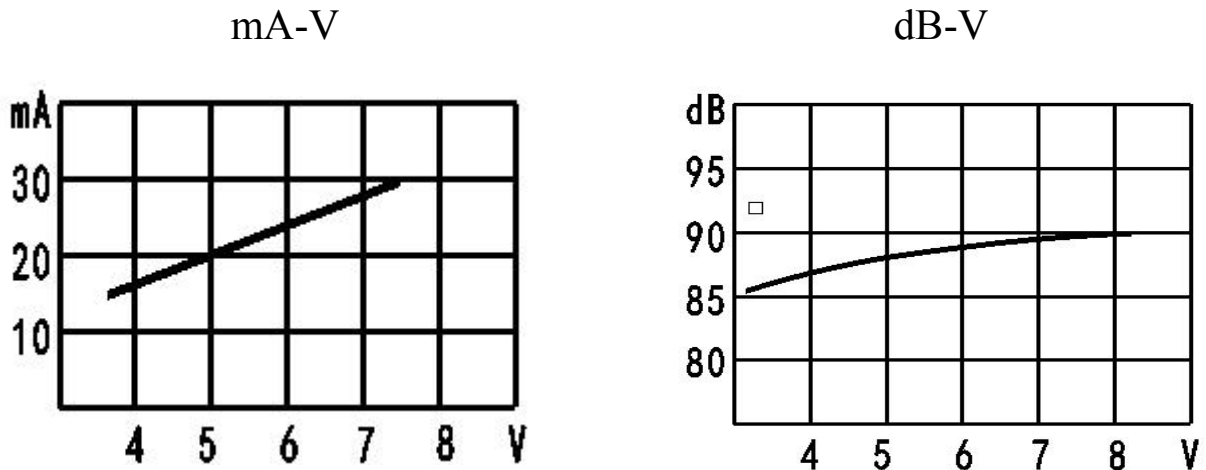
标准测试条件: 温度 25±3℃, 湿度 60±10% R.H.

TESTING CONDITIONS : TEMPERATUER 20 °C±5°C, HUMIDITY 60±10% R.H.

4. DIMENSIONS (尺寸)

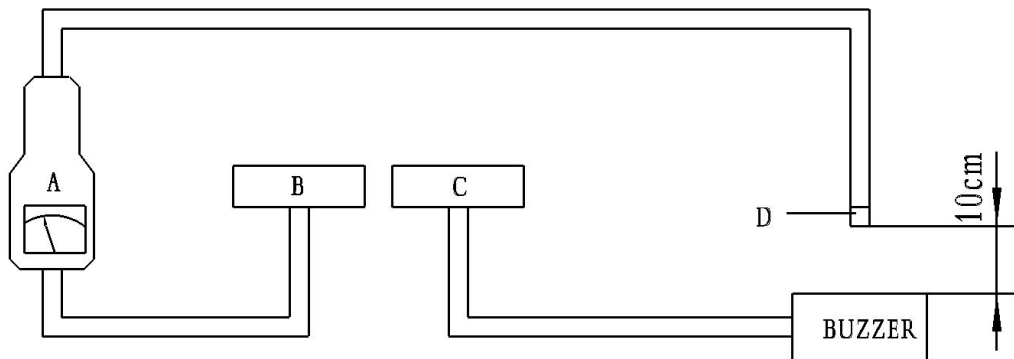


5. CHARACTERISTIC RESPONSE (特性曲线图)



6. TEST METHOD(测试方法)

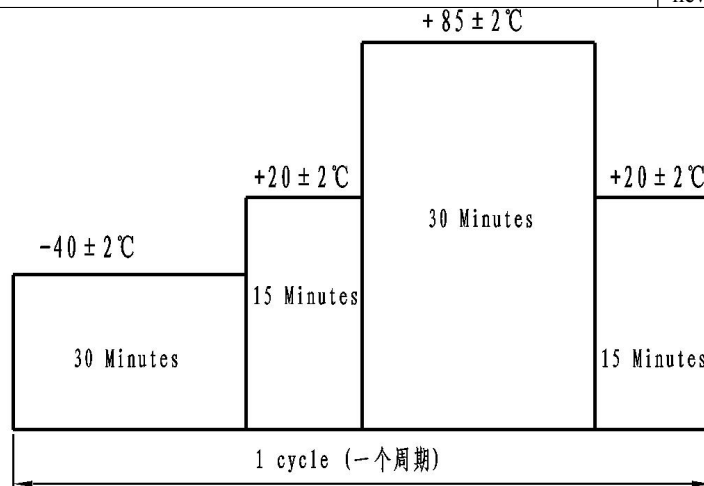
SOUND PRESSURE LEVEL, CONSUMPTION(声压测试线路图)



- A: Sound Pressure Level Meter 声级计
- B: Frequency Counter 频率计
- C: Direct-Current (DC) Supply Unit 直流电源装置
- D: Sound Pressure Level For Focus 声级计传声话筒

7. RELIABILITY TEST (可靠性试验项目)

	ITEM (项目)	METHOD OF TEST (试验方法)	VARLANCE AFTER CONDITIONIN(标准)
1.	Dry Heat Test (Storage) 高温放置试验	After being placed in a chamber with $+85\pm 2^{\circ}\text{C}$ for 96 hours and then Being placed in natural condition for 2 hours, buzzer shall Be measured. 在 $+85\pm 2^{\circ}\text{C}$ 的温湿里放置 96 小时后, 再在室温下放置 2 小时后测试	After the test the part shall meet specifications without any degradation in appearance and performance except SPL. SPL shall be initial value $\pm 10\text{dB}$
2.	Cold Test (Storage) 低温放置试验	After being placed in a chamber with $-40\pm 2^{\circ}\text{C}$ for 96 hours and then Being placed in natural condition for 2 hours, buzzer shall Be measured. 在 $-40\pm 2^{\circ}\text{C}$ 的温湿里放置 96 小时后, 再在室温下放置 2 小时后测试	
3.	Temperature Cycle Test 温度循环试验	Make the test for 5 cycles without applying power as fig then expose to the room temperature for 4 hours 不接电源按下图做 5 个周期试验, 然后室温下放置 4 小时再测试	
4.	Humidity Test 耐湿性试验	After being placed in a chamber with 90 to 95%R.H. at $+40\pm 2^{\circ}\text{C}$ for 96 hours and then being placed in natural condition for 2 hours, Buzzer shall be measured. 在湿度为 90—95%, 温度为 $+40\pm 2^{\circ}\text{C}$ 的温湿箱里放置 96 小时后, 再在室温下放置 2 小时后测试	
5.	Operation life test 工作寿命试验	Room temperature life test. 240 hours continuous at room temperature with DC6V	
6.	Vibration Resistant 耐振动性	Buzzer shall be measured after being applied vibration of amplitude of 1.5mm with 10 to 55Hz band of vibration frequency to each of 3 perpendicular directions for 2 hours. 振动频率 10~55Hz, 振幅为 1.5mm, 朝 X、Y、Z 轴三个方向振动 2 小时后测试	
7.	Drop Test 跌落试验	Drop a product naturally form the height of 500mm onto the surface of 100mm thick wooden board. Two directions: This is upper and side of the product are to be applied for this drop test respectyly once. 从 500mm 高度将产品自然跌落在 100mm 厚板上按正、侧面方向各做二次跌落试验, 观察此产品能否承受跌落试验。	
8.	Solder ability (焊接试验)	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of $+255\pm 5^{\circ}\text{C}$ for 2 ± 0.5 seconds	



8. SOLDERING CONDITION(焊接条件)

(1) Dip Soldering

Dip Soldering temperature 260°C within 5sec.

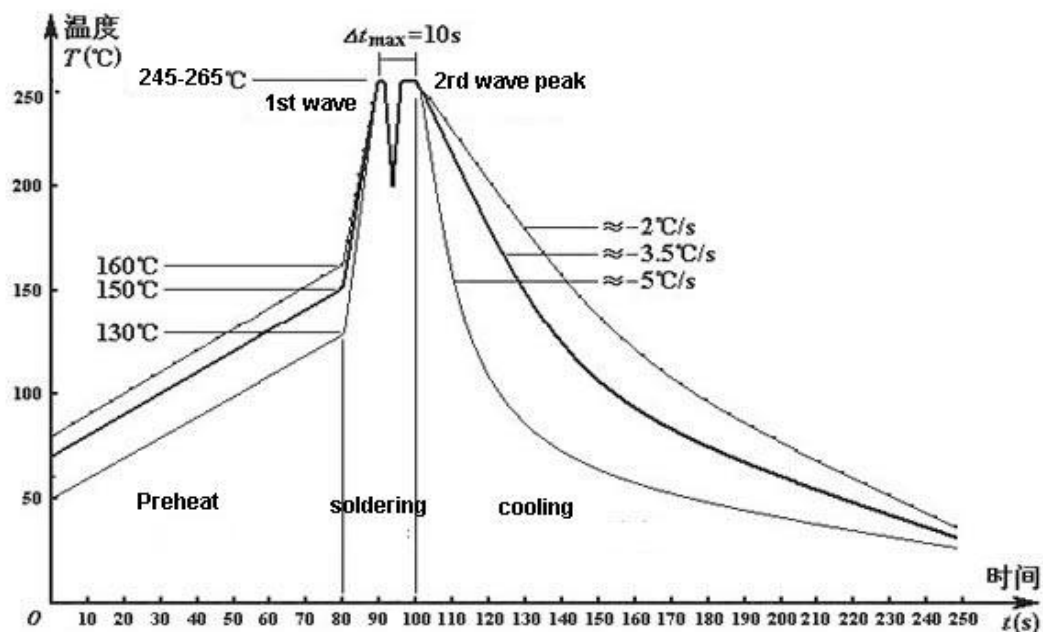
Temperature should be set as low as possible.

Time Should be set as short as possible.

(2) Manual Soldering

Manual soldering temperature 350°C within 3sec.

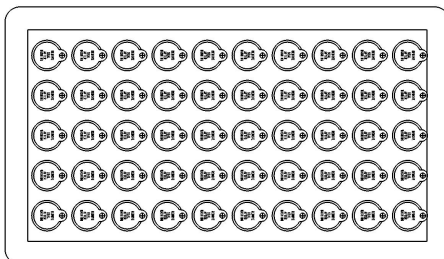
Brief reference wave soldering (参考波峰焊简介图)



9. 包装规格 Packaging Standard

9.1 内包装 (INSIDE PACKAGING): 【包装盒: 珍珠棉】

一盒 (ONE BOX): 50 只



5 盒为一捆包, 计 250 只/捆

(5BOXES OF A BALE, COUNT 250PCS/BALE)

13.2 外包装 (OUTSIDE PACKAGING): 【纸箱: 480X225X215mm】

4 捆为一箱, 计 1000 只/箱 (4 BALES OF A CASE. COUNT 1000PCS/CASE)



