



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):

3610-DC24V-L100MM

產品名稱(Description):

蜂鸣器 (Buzzer)

產品規格(Specification):

36\*31MM 有源压电式

客戶承認欄 (Customer Authorization Signature)	深圳市興華鑫電子科技有限公司 承認欄 (Supplier Audit)		
	審核	檢查	制作
	唐国兴	唐玉来	吴银娟
	日期: 2022 年 04 月 19 日 版次: A		

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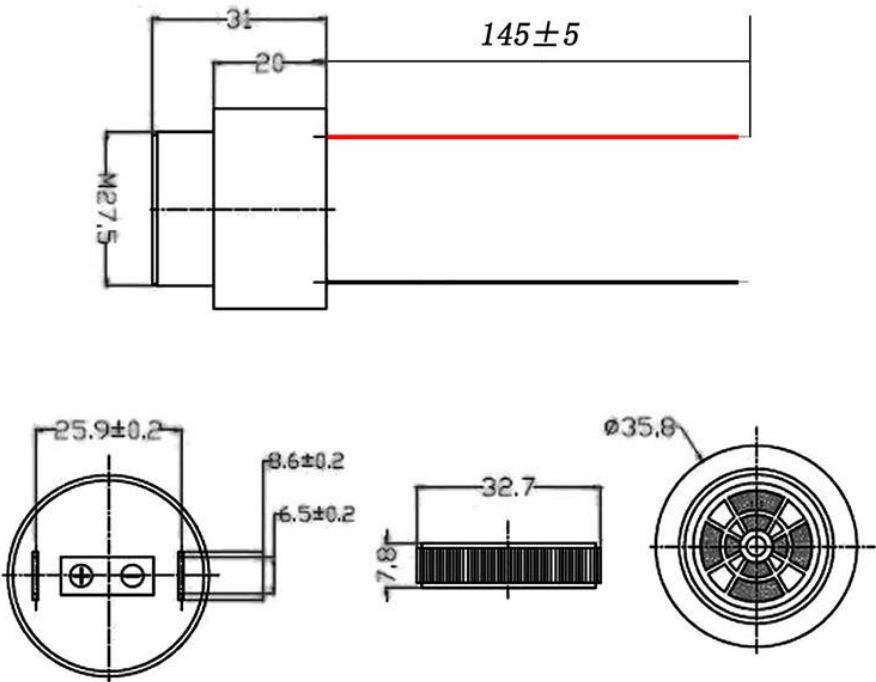
Http: [www.jsxhxdz.com](http://www.jsxhxdz.com)



1.SPECIFICATION 规格

No.	Item	Unit	Specification	Condition
1	Oscillation Frequency	Hz	3000±500	
2	Operating Voltage	VDC	12 ~ 36	
3	Rated Voltage	VDC	24	
4	Current Consumption	mA	MAX. 10	at Rated Voltage
5	Sound Pressure Level	dB	MIN. 100	at 10cm at Rated Voltage
6	Operating Temperature	℃	-20 ~ +70	
7	Storage Temperature	℃	-30 ~ +85	
8	Dimension	mm	Φ43x H33	See appearance drawing
9	Weight (MAX)	gram	40	
10	Housing Material		ABS( Black )	
11	Leading Pin		Sn	See appearance drawing
12	Environmental Protection Regulation		RoHS	

2.APPEARANCE DRAWING 尺寸图





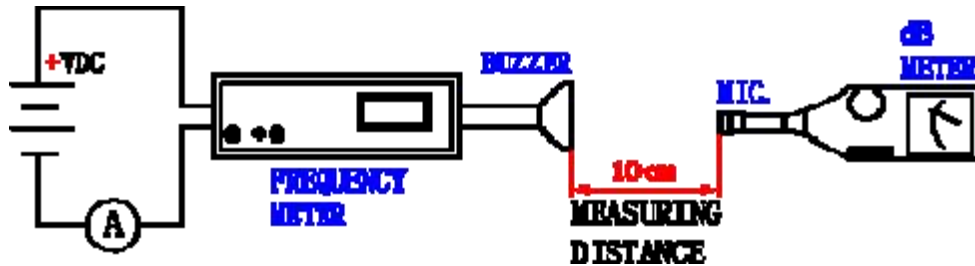
### 3. TESTING METHOD 測量方式

#### Standard Measurement conditions

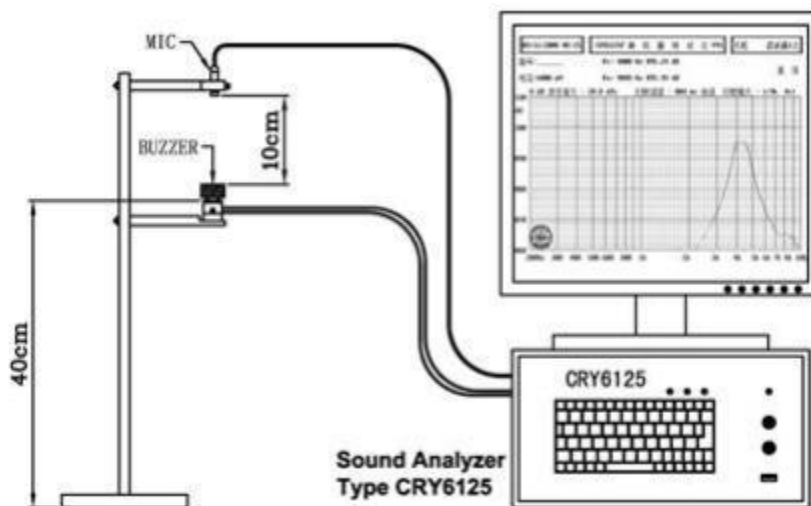
Temperature:  $25 \pm 2^\circ\text{C}$  Humidity: 45-65%

#### Acoustic Characteristics:

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

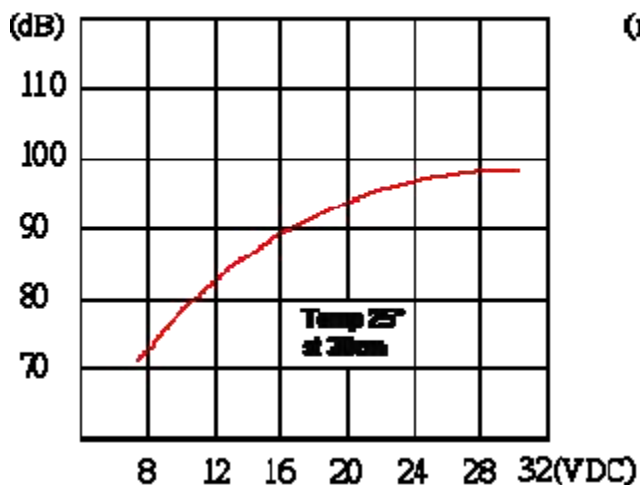


In the measuring test, buzzer is placed as follows:

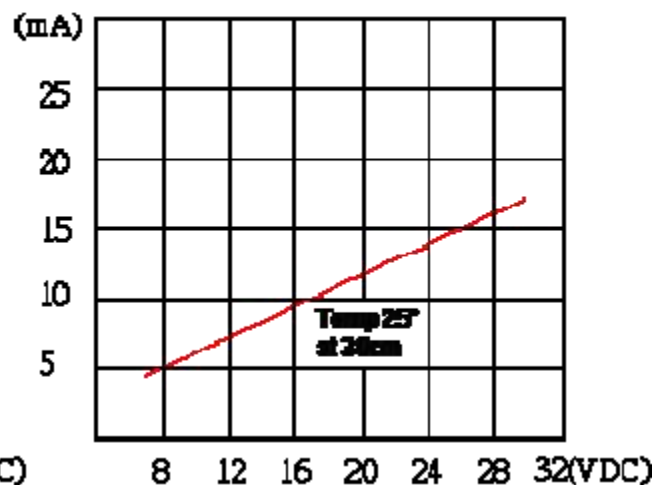


### 4. VOLTAGE / CURRENT / SOUND PRESSURE CHARACTERISTICS

**dB-V**

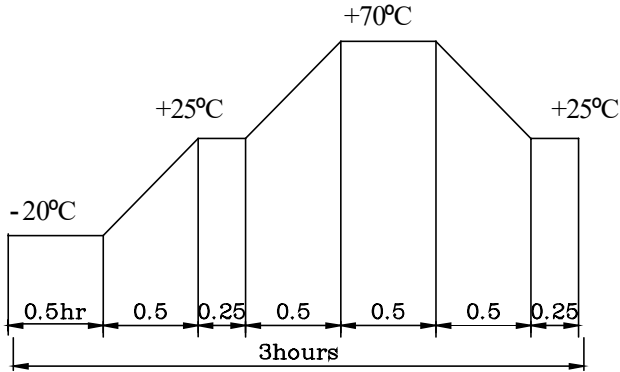


**mA-V**





## 5. RELIABILITY TEST 可靠性测试

NO.	ITEM	TEST CONDITION AND REQUIREMENT
1	High Temperature Test (Storage)	After being placed in a chamber with 80 °C for 96hours and then being placed in normal condition for 2hours. Allowable variation of SPL after test: 10dB.
2	Low Temperature Test (Storage)	After being Placed in a chamber with -30 °C for 96hours and then being placed in normal condition for 2hours. Allowable variation of SPL after test: 10dB.
3	Humidity Test	After being Placed in a chamber with 90-95% R.H. at 40 °C for 96 hours and then being placed in normal condition for 2hours. Allowable variation of SPL after test: 10dB.
4	Temperature Cycle Test	<p>The part shall be subjected to 5 cycles. One cycle shall be consist of:</p>  <p>Allowable variation of SPL after test: 10dB.</p>
5	Drop Test	Drop on a hardwood board of 4cm thick, any directions, 6 times, at the height of 75cm. Allowable variation of SPL after test: 10dB.
6	Vibration Test	After being applied vibration of amplitude of 1.5mm with 10 to 55 Hz band of vibration frequency to each of 3 perpendicular directions for 2 hours. Allowable variation of SPL after test: 10dB.
7	Solderability Test	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of +300 °C for 3 1 seconds. 90% min. lead terminals shall be wet with solder (Except the edge of terminals).
8	Terminal Strength Pulling Test	The force of 9.8N (1.0kg) is applied to each terminal in axial direction for 10 seconds. No visible damage and cutting off.

### TEST CONDITION.

Standard Test Condition	:	a) Temperature : +5 ~ +35°C	b) Humidity : 45-85%	c) Pressure : 860-1060mbar
一般测试条件	:	a) 温度 : +5 ~ +35°C	b) 湿度 : 45-85%	c) 气压 : 860-1060mbar
Judgment Test Condition	:	a) Temperature : +25 ± 2°C	b) Humidity : 60-70%	c) Pressure : 860-1060mbar
争议时测试条件	:	a) 温度 : +25 ± 2°C	b) 湿度 : 60-70%	c) 气压 : 860-1060mbar