

規格承認書

PECIFICATION FOR APPROVAL

客 戶

CUSTOMER : _____

項 目

ITEM : 压电有源蜂鸣器（内含驱动电路）

型 號

TYPE : GPD4221L100-48V3200 连续声

描述

DESCRIPTION : $\Phi 42.0 \times H21 \text{ mm}$ 3200Hz DC48V 30CM $\geq$ 120dB 焊线 L100 mm

客戶料號

CUSTOMER NO. : _____

規格書號

SPECIFICATION NO.: _____

版 本

EDITION NO. : V1.1

日 期

DATE : 20

客戶承認

CUSTOMER CONFIRM AND SIGN

檢查 TESTED BY	審核 CHECKED BY	承認 APPROVED BY

東莞市贏海電子有限公司

DONGUAN INGHAI ELECTRONICS CO.,LTD

製作 ISSUED BY	審查 CHECKED BY	確認 APPROVED BY
周明	刘承成	

地址：廣東省珠海市金湾区红旗镇金荷路 568 号广东科学双创园 612-615

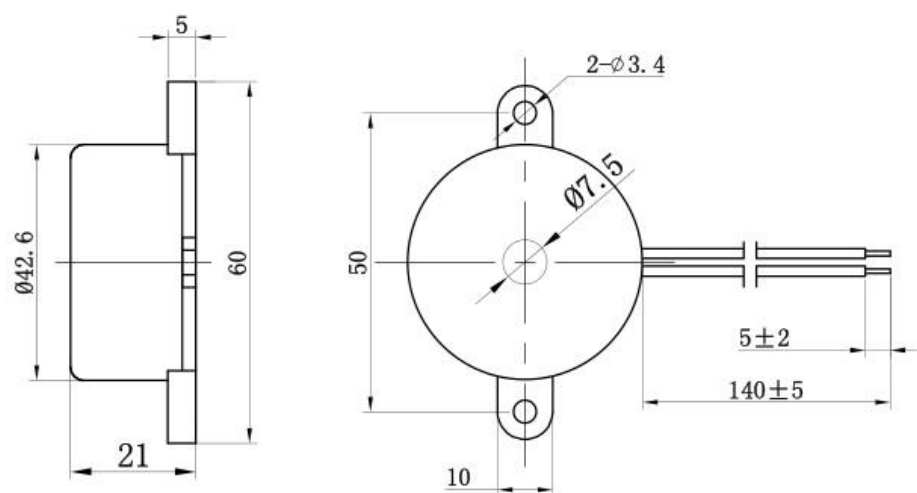
電話 / TEL: 180

網址: [HTTP://WWW.INGHAI.COM](http://www.inghai.com)

DONGGUAN INGHAI ELECTRONICS CO.,LTD

Model NO: GPD4221L100-48V3200

A: DIMENSIONS 端子线长可以定制，立创标准线长 100mm



Unit:mm Tolerance: ±0.5

B: SPECIFICATIONS

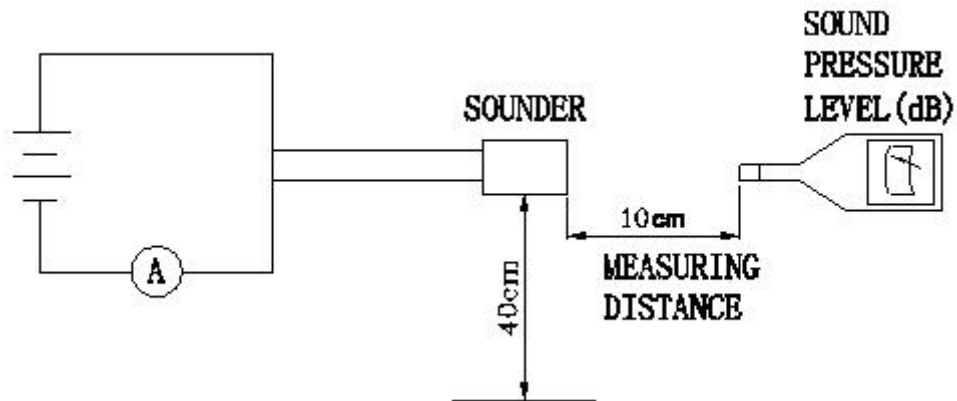
Model NO	GPD4221L100-48V3200
Rated Voltage	48VDC
Operating Voltage	36-48VDC
Max.Rated Current	Max. 30mA
Sound Pressure level(dB/min) at 30cm	Min.120dB
Resonant Frequency	3200 ± 500Hz
Tone Nature	Pulse 2.0 ± 30%Hz
Operating Temperature	-20 °C~+60 °C
Storage Temperature	-30 °C~+70 °C
Case material and color	ABS / Black

Measuring condition

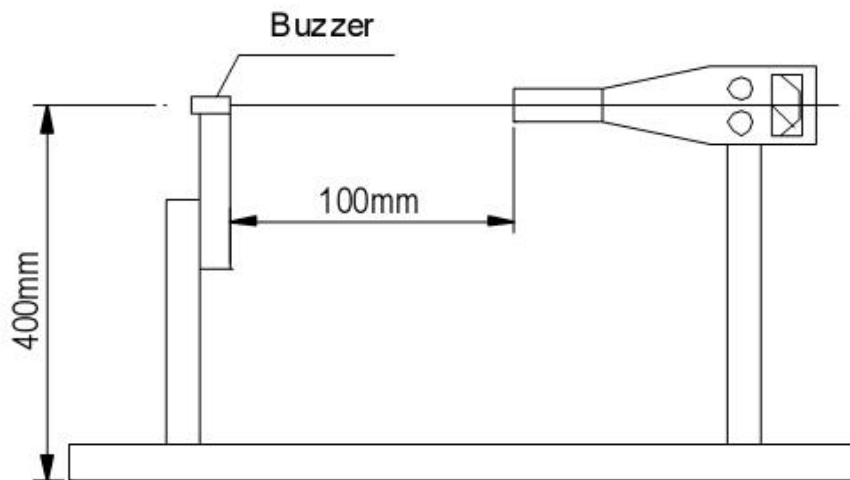
Part shall be measured under a condition (Temperature: 5 ~ 35°C, Humidity: 45% ~ 85%R.H., Atmospheric pressure: 860 ~ 1060hPa) unless the standard condition (Temperature: 25±3°C, Humidity: 60±10%R.H. Atmospheric pressure: 860 ~ 1060hPa) is regulated to measure.

C: Acoustic Characteristics:

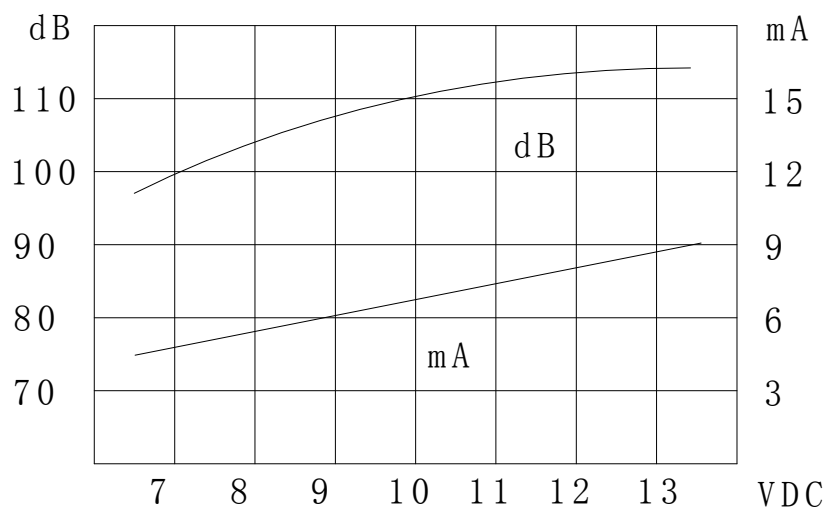
The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below



In the measuring test, buzzer is placed as follows:



D: Typical Frequency Response Curve:



E: Reliability Test

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.