

規格承認書

PECIFICATION FOR APPROVAL

客戶

CUSTOMER : 通用型规格书 电压范围 3-24V

項目

ITEM : 压电有源连续声蜂鸣器 (内含驱动电路)

型號

TYPE : GPD4020YB-3-24V3500

描述

DESCRIPTION : Φ 42.0 x H20 mm 2800Hz DC3-24V \geq 95dB/1M

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：廣東省東莞市虎門鎮懷德社區雅瑤工業區

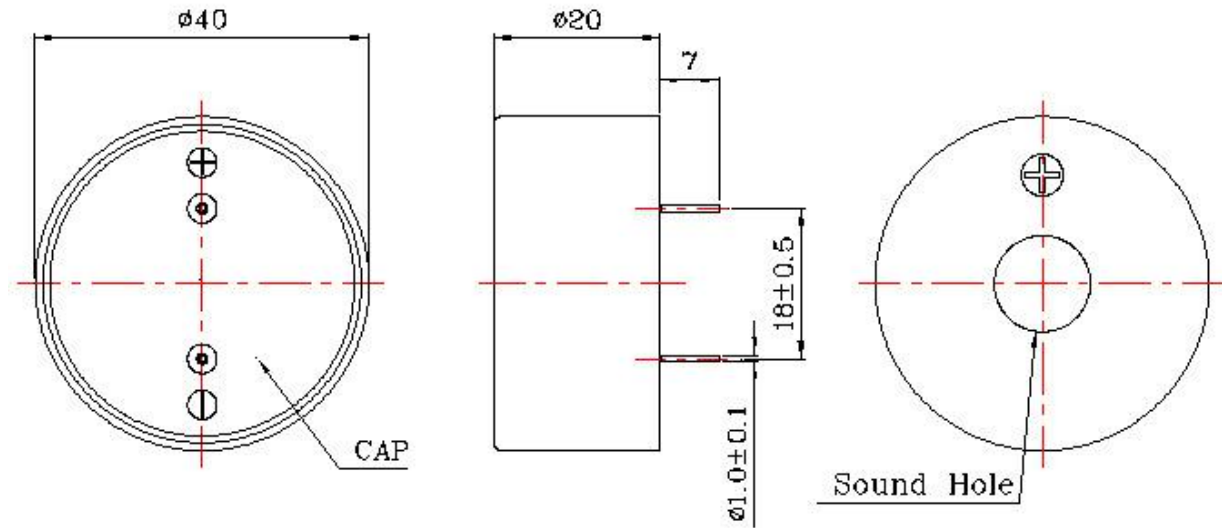
電話 / TEL: 0769-83060958 傳真 / FAX: 0769-81608993

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

DONGGUAN INGHAI ELECTRONICS CO.,LTD

Model NO: GPD4020YB-3-24V3500

A: DIMENSIONS



Unit:mm Tolerance: ±0.5

B: SPECIFICATIONS

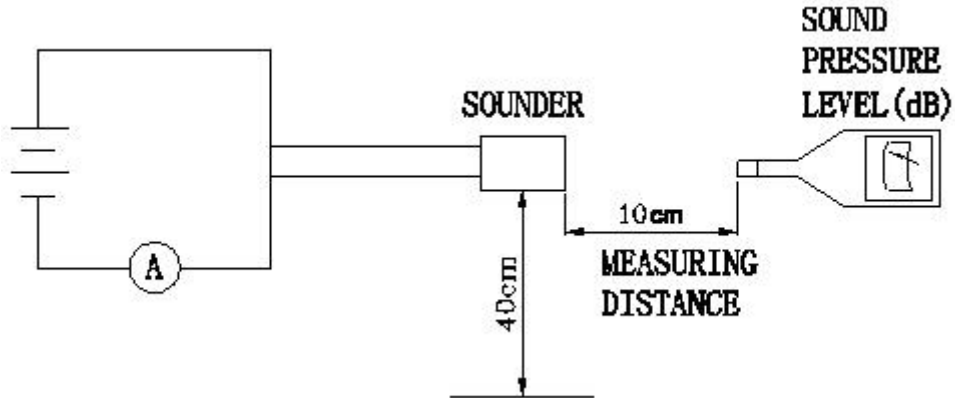
Model NO	GPD4020YB
Rated Voltage	3-24VDC
Operating Voltage	3-28VDC
Max.Rated Current	Max. 15mA
Sound Pressure level(dB/min) at 1m	Min.95dB
Resonant Frequency	2800 ± 500Hz
Tone Nature	Pulse 2.0 ± 30%Hz
Operating Temperature	-20 °C~+60 °C
Storage Temperature	-30 °C~+70 °C
Case material and color	ABS / Black

Measuring condition

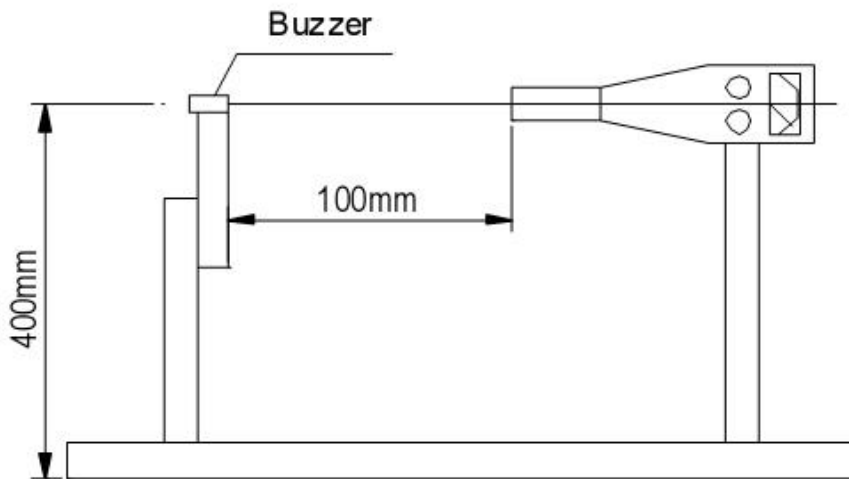
Part shall be measured under a condition (Temperature: 5 ~ 35°C, Humidity: 45% ~ 85%R.H., Atmospheric pressure: 860 ~ 1060hPa) unless the standard condition (Temperature: 25±3°C, Humidity: 60±10%R.H. Atmospheric pressure: 860 ~ 1060hPa) is regulated to measure.

C: Acoustic Characteristics:

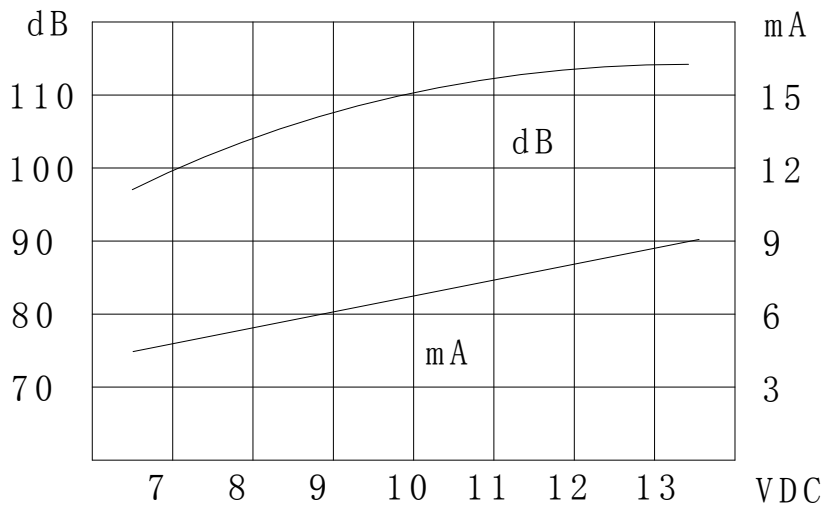
The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below



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.