

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 : GPD2312L100-9V3500 线长可定制

描述

DESCRIPTION : Φ 22.5 x H12 mm 3500Hz 9V \geq 100DB ABS 材质 L=100 mm

客戶料號

CUSTOMER NO. : C530470

規格書號

SPECIFICATION NO.: _____

版 本

EDITION NO. : V1.0

日 期

DATE : _____

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
刘波	刘承成	李海飞

地址：廣東省東莞市長安鎮上沙第五工业区新春一路新春科技园

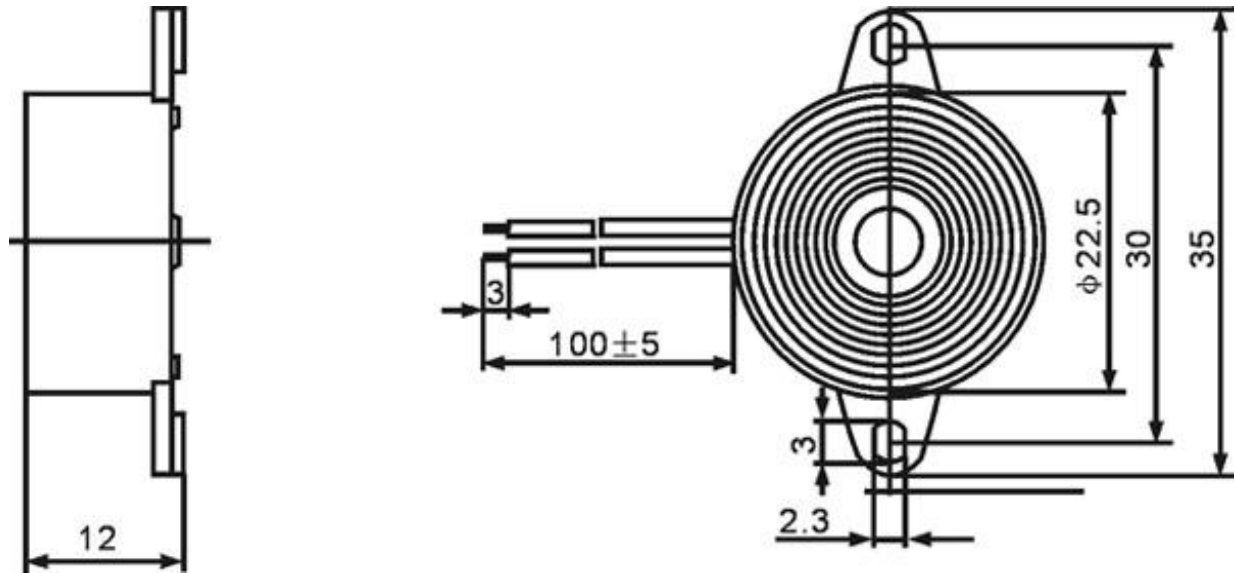
電話 / TEL: 0769-83060958 傳真 / FAX: 0769-81608993

網址: HTTP://WWW.INGHAI.COM

DONGGUAN INGHAI ELECTRONICS CO.,LTD

Model NO: GPD2312L100-9V3500

A: DIMENSIONS Unit:mm Tolerance: ± 0.5



B: SPECIFICATIONS

Model NO	GPD2312L100-9V3500
Rated Voltage	9VDC
Operating Voltage	8-25VDC
Max.Rated Current	Max.40mA
Sound Pressure level(dB/min) at 10cm	Min.100dB
Resonant Frequency	$3500 \pm 500\text{Hz}$
Operating Temperature	-20 °C~+60 °C
Storage Temperature	-30 °C~+70 °C
Case material and color	ABS / Black

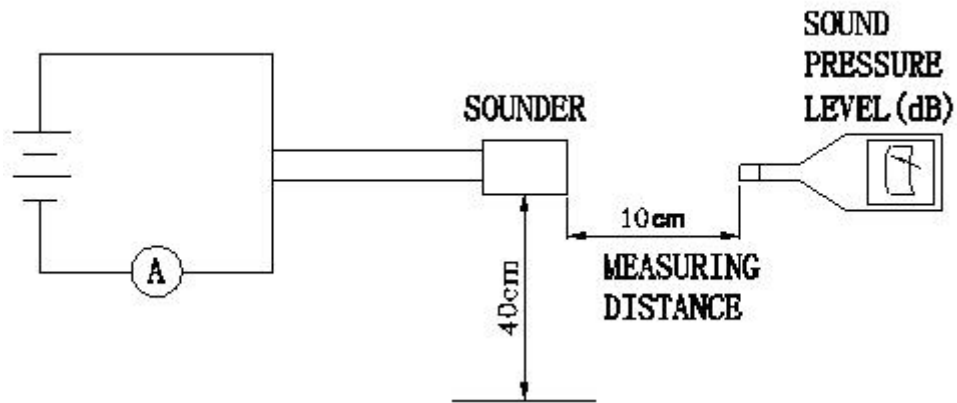
Measuring condition

Part shall be measured under a condition (Temperature: 5~35℃, Humidity: 45%~85%R.H., Atmospheric pressure:

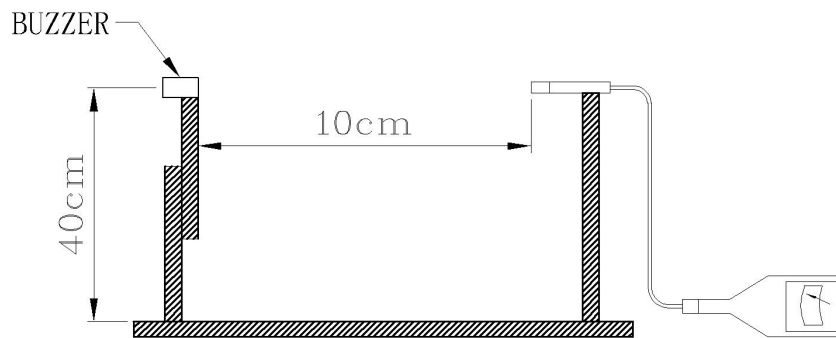
860 ~ 1060hPa) unless the standard condition (Temperature: $25\pm 3^{\circ}\text{C}$, Humidity: $60\pm 10\%\text{R.H.}$ Atmospheric pressure: 860 ~ 1060hPa) is regulated to measure.

C: Acoustic Characteristics:

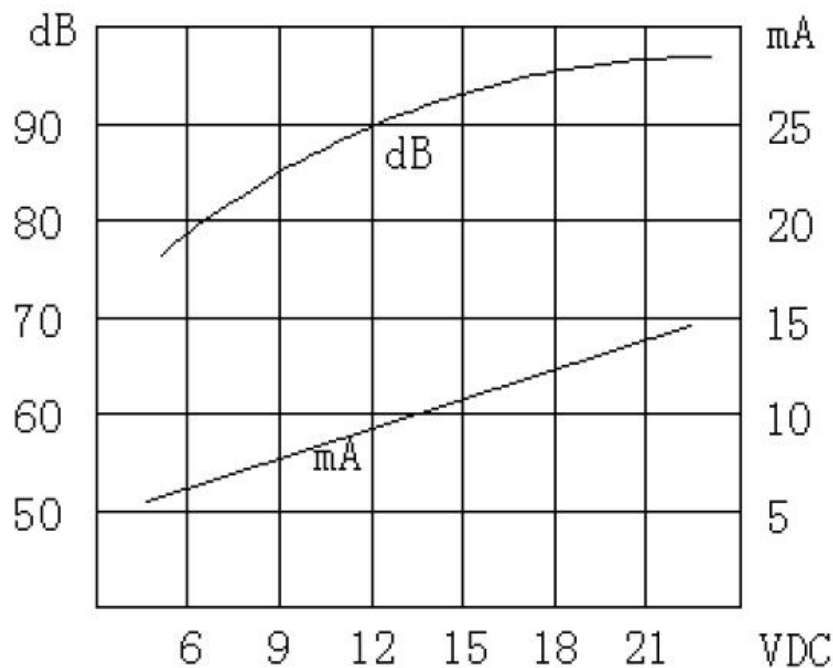
The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below



In the measuring test, buzzer is placed as follows:



D: VOLTAGE / CURRENT / SOUND PRESSURE CHARACTERISTICS



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.