

規格承認書

PECIFICATION FOR APPROVAL

客戶

CUSTOMER : 通用型規格書 电压范围 3-24V

項目

ITEM : 压电有源蜂鸣器 (内含驱动电路)

型號

TYPE : GPD380X-3-24V2900

描述

DESCRIPTION : $\Phi 43.0 \times H33.0$ mm 2900Hz DC3-24V ≥ 90 dB ABS 材质 P=33mm

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

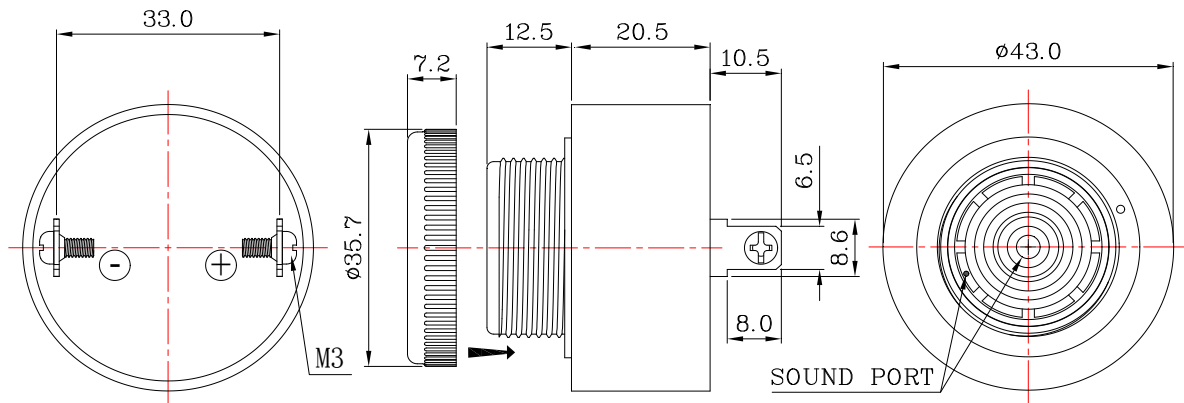
電話 / TEL: 0769-83060958 傳真 / FAX: 0769-81608993

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

DONGGUAN INGHAI ELECTRONICS CO.,LTD

Model NO: GPD380X-3-24V2900

A: DIMENSIONS Unit: mm Tolerance: ± 0.5



B: SPECIFICATIONS

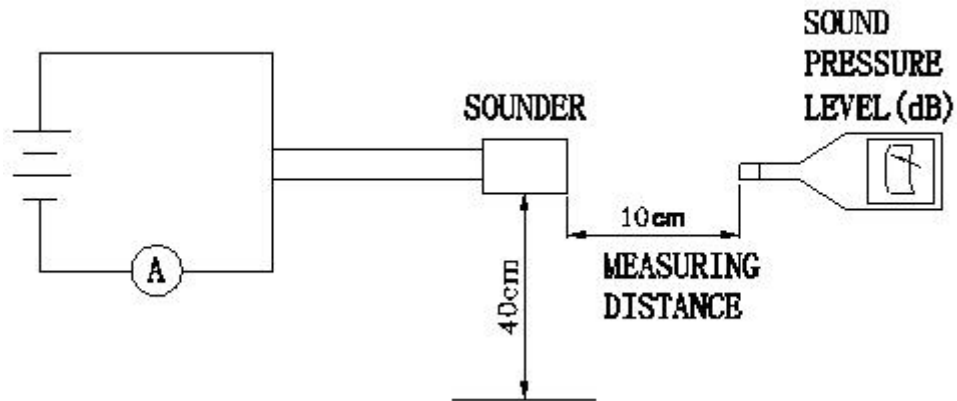
No.	Item	Unit	Specification	Condition
1	Oscillation Frequency	KHz	2.9 \pm 0.5	
2	Operating Voltage	VDC	4 ~28	
3	Rated Voltage	VDC	4 ~28	
4	Current Consumption	mA	MAX. 25	at Rated Voltage
5	Sound Pressure Level	dB	MIN. 90	at 30cm at Rated Voltage
6	Tone		Constant	
7	Operating Temperature	°C	-20~ +60	
8	Storage Temperature	°C	-30 ~ +70	
9	Dimension	mm	$\Phi 43 \times H33$	See appearance drawing
10	Weight (MAX)	gram	38.5	
11	Housing Material		ABS(Black)	
12	Leading Pin		Plating (Ni)	See appearance drawing
13	Environmental Protection Regulation		RoHS	

Measuring condition

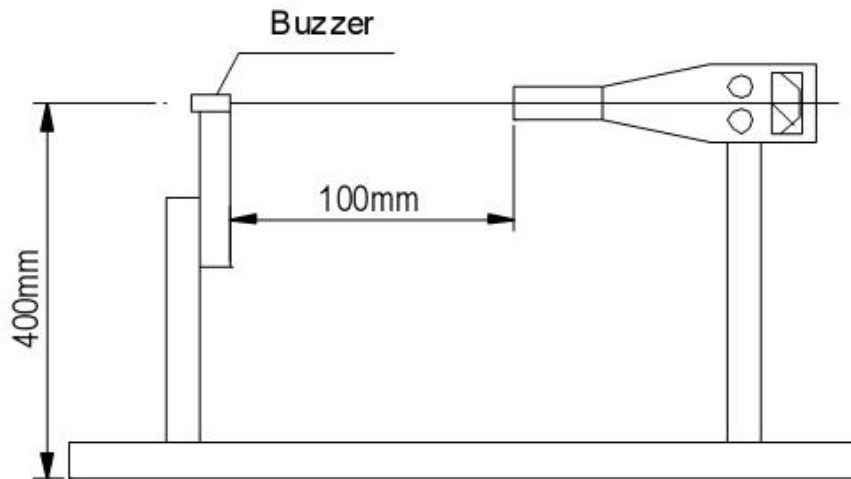
Part shall be measured under a condition (Temperature: 5 ~ 35°C, Humidity: 45% ~ 85%R.H., Atmospheric pressure: 860 ~ 1060hPa) unless the standard condition (Temperature: 25 \pm 3°C, Humidity: 60 \pm 10%R.H. Atmospheric pressure: 860 ~ 1060hPa) is regulated to measure.

C: Acoustic Characteristics:

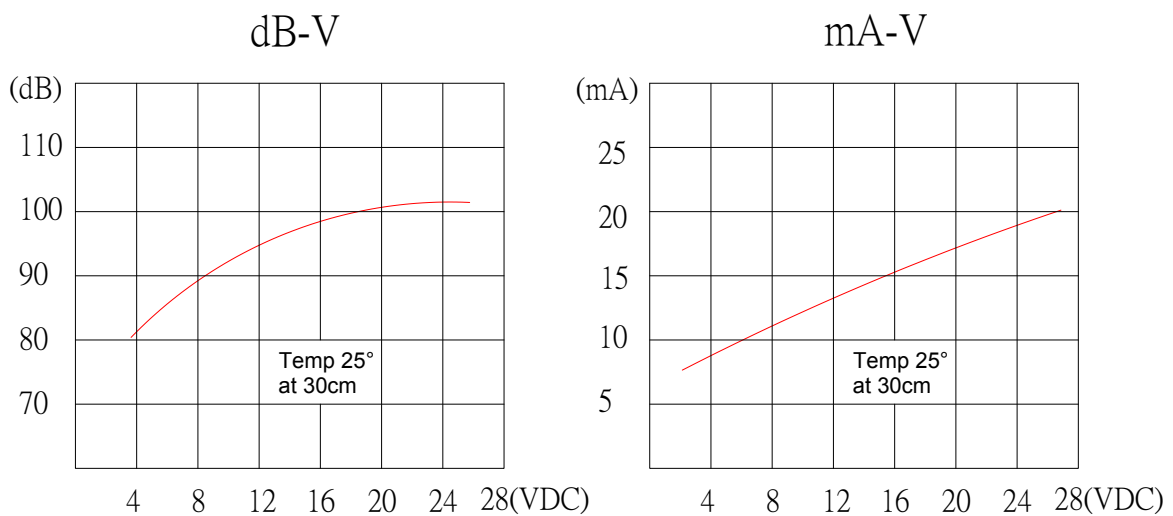
The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below



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 → 25°C /3hours → -30°C /1hour → 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.