

# 規格承認書

PECIFICATION FOR APPROVAL

客戶  
CUSTOMER : 立創  
項目  
ITEM : 压电式无源蜂鸣器（外部驱动）  
型號  
TYPE : GPC2416YB-5V3700  
描述  
DESCRIPTION :  $\phi$  24 x H16.0 mm 3700Hz 5V 85DB P=15mm 材质 PBT  
客戶料號  
CUSTOMER NO. :  
規格書號  
SPECIFICATION NO.:  
版本  
EDITION NO. : V1.0  
日期  
DATE : 2019-12-26

## 客戶承認

### CUSTOMER CONFIRM AND SIGN

| 檢查<br>TESTED BY | 審核<br>CHECKED BY | 承認<br>APPROVED BY |
|-----------------|------------------|-------------------|
|                 |                  |                   |

## 東莞市贏海電子有限公司

### DONGUAN INGHAI ELECTRONICS CO.,LTD

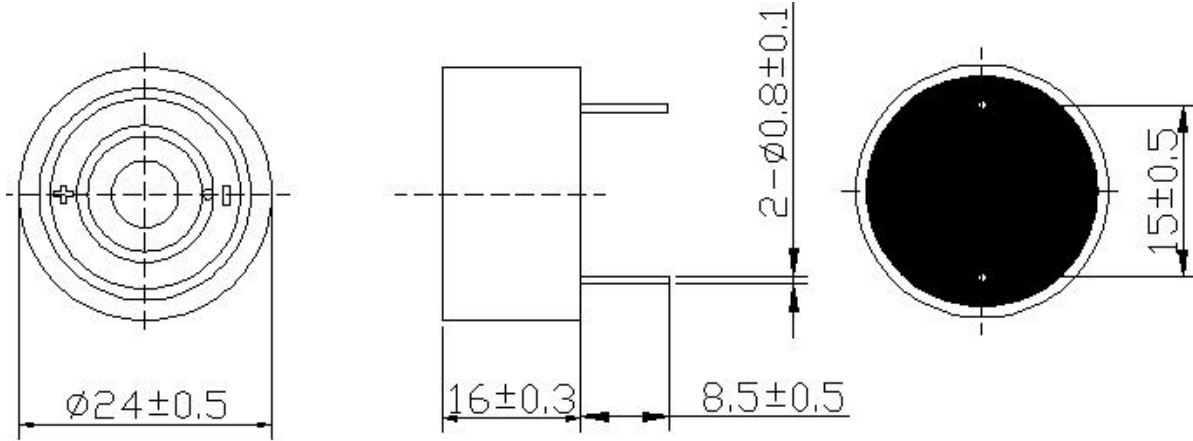
| 製作<br>ISSUED BY | 審查<br>CHECKED BY | 確認<br>APPROVED BY |
|-----------------|------------------|-------------------|
| 周明              | 李林               |                   |

地址：廣東省東莞市長安鎮廈邊元灶頭工業區 16-6 號  
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: GPC2416YB-5V3700

**A:DIMENSIONS** Unit:mm Tolerance:±0.5



## B:SPECIFICATIONS

| Model NO                        | GPC2416YB        |
|---------------------------------|------------------|
| * Rated Voltage                 | 5.0 Vp-p         |
| Operating Voltage               | 1.0~30.0 Vp-p    |
| *Max.Rated Current              | Max.10mA         |
| *Resonant Frequency             | 3700Hz           |
| *Sound Pressure level(dB)at10cm | 85dB             |
| Capacitance at 1000Hz (Pf)      | $28000 \pm 30\%$ |
| Operating Temperature           | -20 °C~+70 °C    |
| Storage Temperature             | -30 °C~+80 °C    |
| Case material and color         | PBT / Black      |

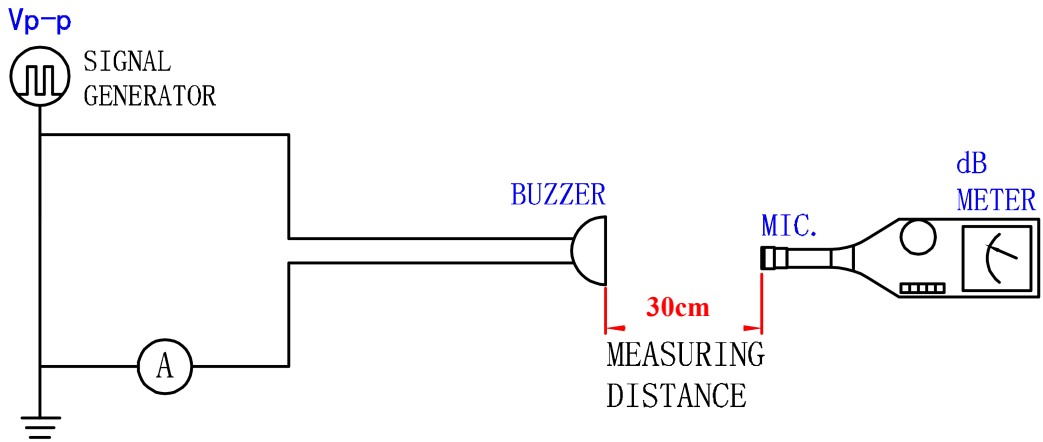
\*Value applying rated voltage

### Measuring condition

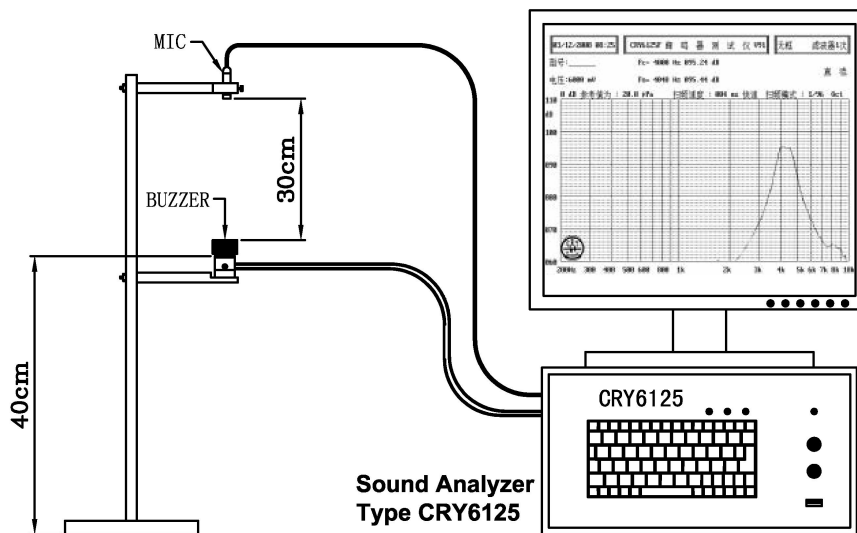
Part shall be measured under a condition (Temperature: 5 ~ 35°C, Humidity: 45% ~ 85%R.H., Atmospheric pressure: 860 ~ 1060hPa) unless the standard condition (Temperature: 25±3°C, Humidity: 60±10%R.H. Atmospheric pressure: 860 ~ 1060hPa) is regulated to measure.

### C:Acoustic Characteristics:

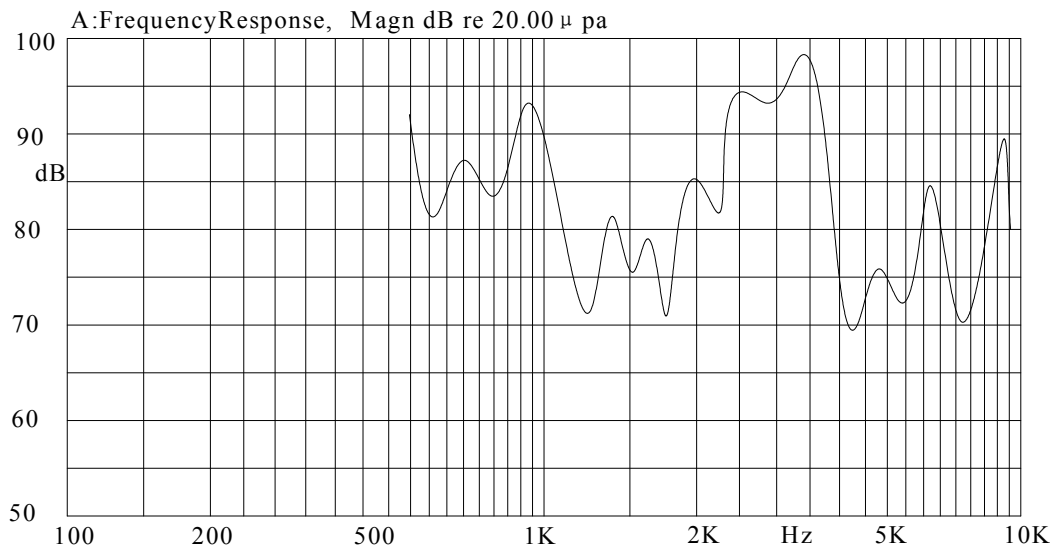
The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below



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  $+80^{\circ}\text{C}$  for 96 hours.

### **3. Low Temperature Test**

The part shall be capable of with standing a storage temperature of  $-30^{\circ}\text{C}$  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: $70^{\circ}\text{C}$  /1hour→  $25^{\circ}\text{C}$ /3hours→ $-30^{\circ}\text{C}$ /1hour→  $25^{\circ}\text{C}$ /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.

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Audio Indicators & Alerts](#) category:*

*Click to view products by [INGHAI](#) manufacturer:*

Other Similar products are found below :

[M2BJ-BH24E](#) [6-4](#) [68S1240-PA](#) [MBA-624](#) [F/BC 40P-DR LF](#) [FDG111PLF](#) [F/NRMB 24 BLACK LF](#) [PF-35N29WQ](#) [PFD-27A35PQ](#) [PL-27A35PSQ](#) [PS-531Q](#) [AB2020B-2-LW1](#) [EBPT-401](#) [PB06SD12AP](#) [PB-1220PEQ](#) [S6109](#) [SC2036ACP](#) [SC616N-2](#) [SC628FW](#) [SC628MPG](#) [SC648D](#) [SCS045MD9DT3S](#) [AB2025B-LW50-R](#) [ESZ-25B-5-250B](#) [F/BC 35-DR LF](#) [FCM12PLF](#) [F/EB20P-DR LF](#) [F/HU110MP24V-IP67B LF](#) [AI-2835-TF-LW150-2-R](#) [AI-4228-TF-LW305-R](#) [FSMD8585JSLF](#) [FSS-26T](#) [F/SU 21-02 LF](#) [F/TCW 05 WITH LABEL LF](#) [F/UCW 03 WITH LABEL LF](#) [F/UCW 06 WITH LABEL LF](#) [PKM22EPPH40S1-B0](#) [PKM35-4A0](#) [PL-35N29WQ](#) [PLD-27A35PQ](#) [PS-552Q](#) [CM-5](#) [M2BJ-BH24E-D](#) [REF-202](#) [LSC628ANR](#) [5-100 PAL-328](#) [03-810.001](#) [RTO-1R07-001](#) [PL-21N31PQ](#) [PF-27A25PSQ](#)