

# 規格承認書

## PECIFICATION FOR APPROVAL

客 戶

CUSTOMER : \_\_\_\_\_

項 目

ITEM : 电磁无源分体蜂鸣器（外部驱动）

型 號

TYPE : GMC12085L100-42R2048

描述

DESCRIPTION :  $\phi$  12.0 x 8.5mm 分体 2048Hz 42  $\Omega$   $\geq$ 85DB L=100 MM ABS 材质

客戶料號

CUSTOMER NO. : C530345

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
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

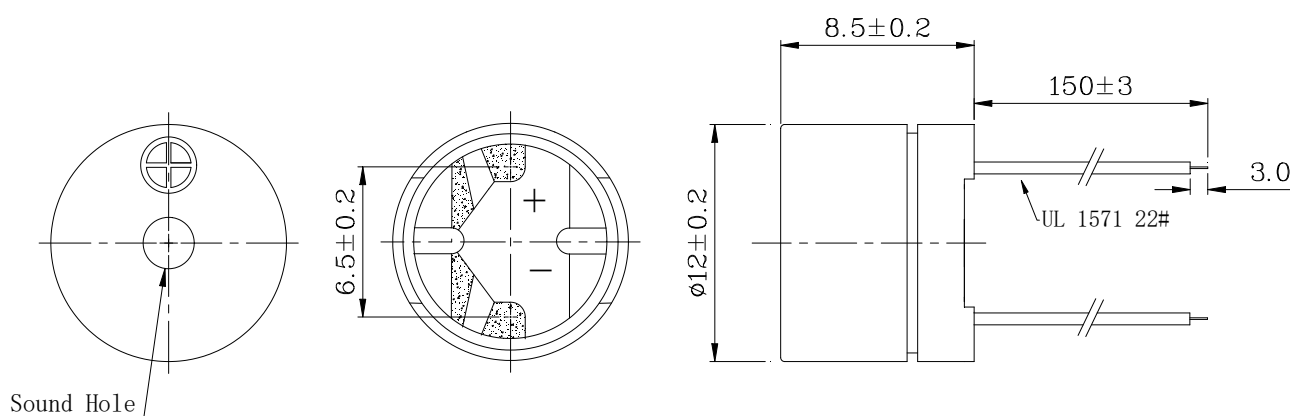
電話 / TEL: 0769-83060958 傳真 / FAX: 0769-81608993

網址: HTTP://WWW.INGHAI.COM

## DONGGUAN INGHAI ELECTRONICS CO.,LTD

**Model NO:** GMC12085L100-42R2048

**A: DIMENSIONS** Unit: mm Tolerance:  $\pm 0.5$



## B: SPECIFICATIONS

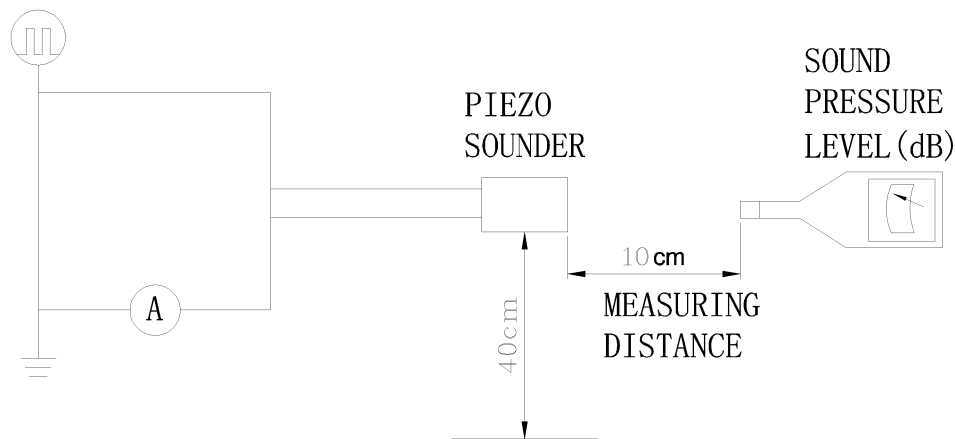
Model NO	GMC12085L150-16R2048
Rated Voltage	5.0 Vo-p
Operating Voltage	4.0~6.0 Vo-p
Max.Rated Current	Max.50mA
Coil Resistance	$42 \pm 15\% \Omega$
Sound Pressure level(dB/)/at10cm	Min.90dB
Resonant Frequency	2048Hz
Operating Temperature	-20 °C~+60 °C
Storage Temperature	-30 °C~+70 °C
Case material and color	ABS / Black

**Measuring condition**

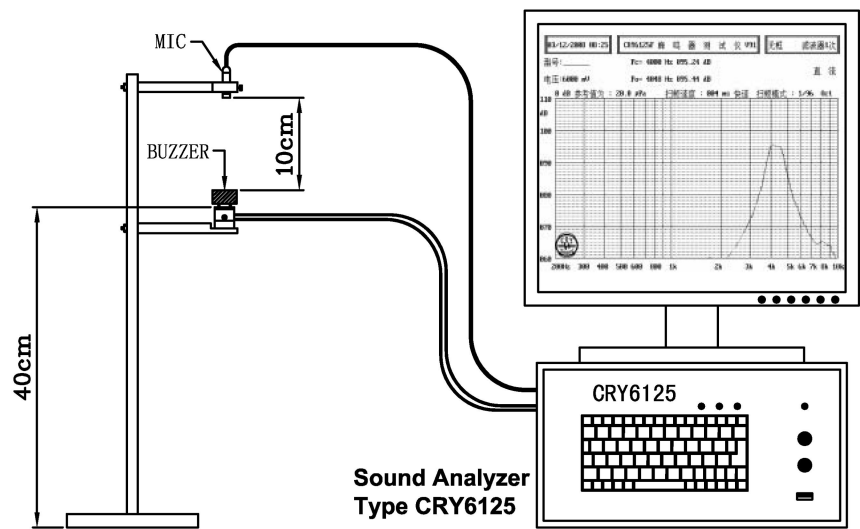
Part shall be measured under a condition (Temperature: 5 ~ 35℃, Humidity: 45% ~ 85%R.H., Atmospheric pressure: 860 ~ 1060hPa) unless the standard condition (Temperature: 25±3℃, Humidity: 60±10%R.H. Atmospheric pressure: 860 ~ 1060hPa) is regulated to measure.

**C: Acoustic Characteristics:**

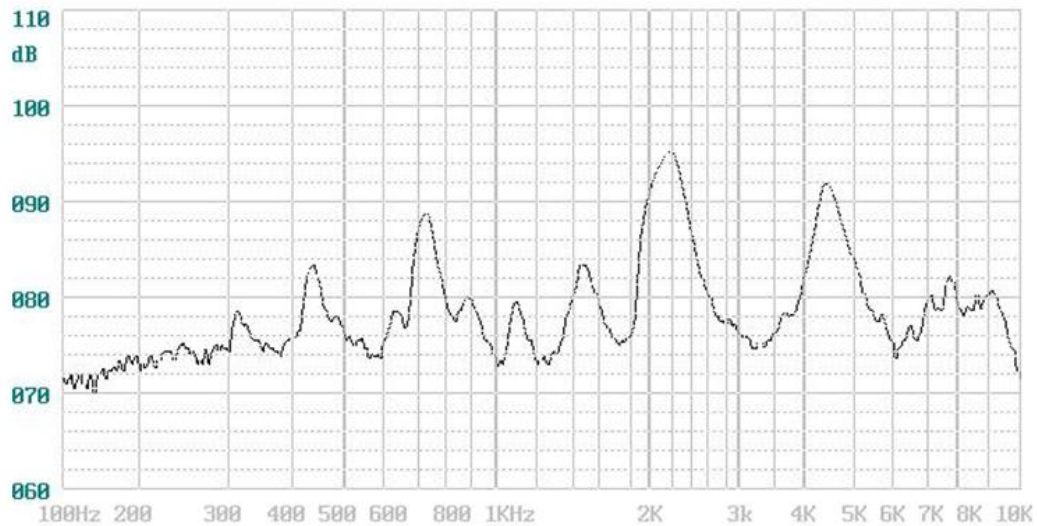
The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below



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  $-30^\circ\text{C}$  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:  $60^\circ\text{C}$  /1hour  $\rightarrow$   $25^\circ\text{C}$ /3hours  $\rightarrow$   $-30^\circ\text{C}$ /1hour  $\rightarrow$   $25^\circ\text{C}$ /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.