EN: This Datasheet/Document is presented by the manufacturer.

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規 格 承 認 書

PECIFICATION FOR APPROVAL

客　戶
CUSTOMER　：
項　目
ITEM　：　电磁无源一体蜂鸣器（外部驱动）
型　號
TYPE　：　GMC1209YB-42R2400
描述
DESCRIPTION ：　φ12 x H9.0 mm　2400Hz　42Ω　≥85DB　PBT 材质　P=6.5mm
客戶料號
CUSTOMER NO. ：　C252922
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

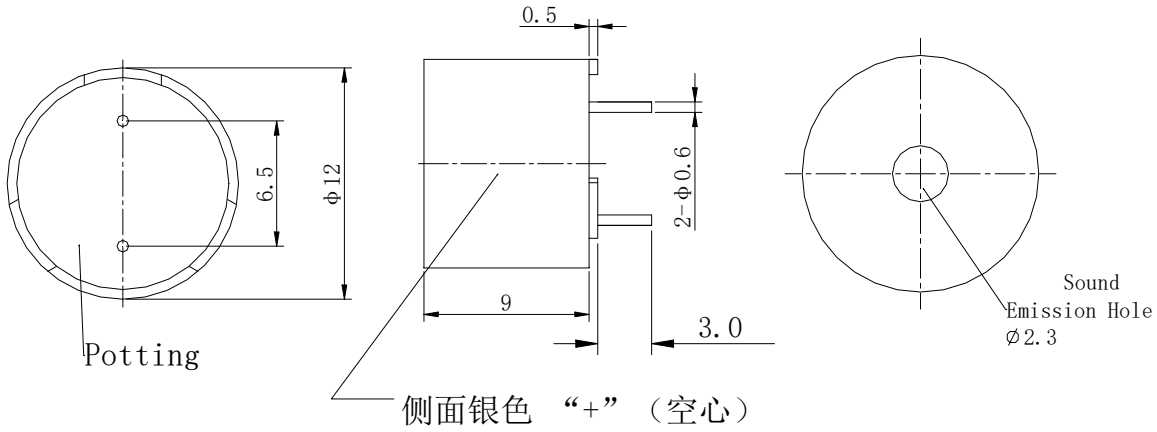
電話 / TEL：0769-83060958　傳真 / FAX： 0769-81608993

網址：HTTP://WWW.INGHAI.COM

DONGGUAN INGHAI ELECTRONICS CO.,LTD

Model NO: GMC1209YB-42R2400

A: DIMEMSIONS:



Tolerance:±0.5mm ***Unit:mm***

B: SPECIFICATIONS

Model NO	GMC1209YB
✱ Rated Voltage	5.0 Vo-p
Operating Voltage	3.0~7.0 Vo-p
✱Max.Rated Current	Max.50mA
✱Resonant Frequency	2400Hz
✱Sound Pressure level(dB)at10cm	Min.85dB
Coil Resistance （Ω）	42±15%
Operating Temperature	-20 ℃~+70 ℃
Storage Temperature	-30 ℃~+80 ℃

Case material and color	PBT / Black

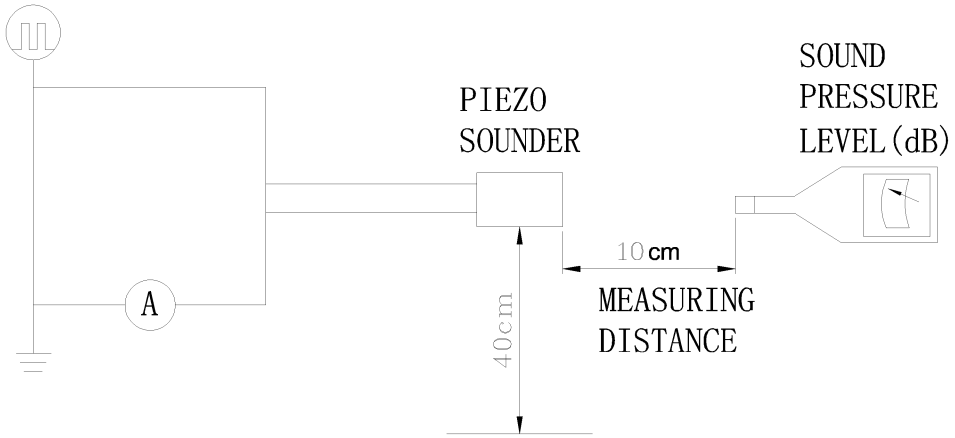
✱Value applying rated voltage

Measuring condition

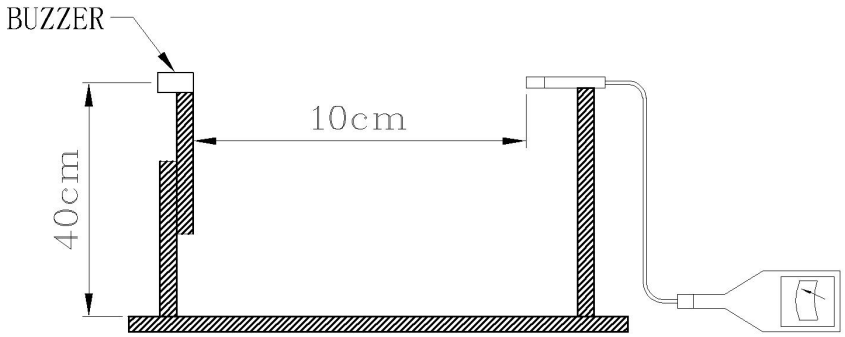
Part shall be measured under a condition (Temperature: 5～35℃, Humidity: 45%～85%R.H., Atmospheric pressure: 860 ～1060hPa) unless the standard condition (Temperature: 25±3℃, Humidity: 60±10%R.H. Atmospheric pressure: 860 ～1060hPa) is regulated to measure.

C: Acoustic Characteristics:

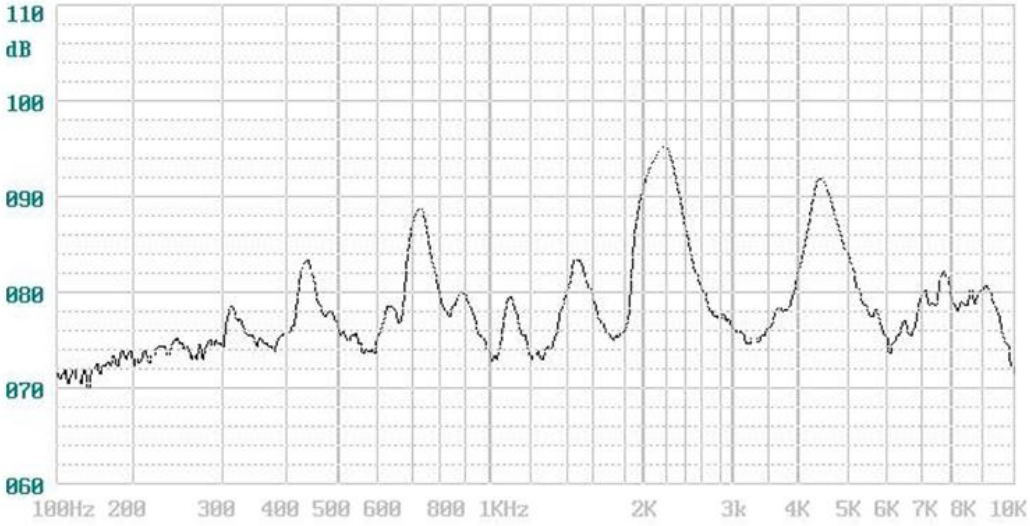
The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below



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±10℃. 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℃ for 96 hours.
3. **Low Temperature Test**
   The part shall be capable of with standing a storage temperature of -30℃ for 96 hours.
4. **Humidity Test**
   Temperature:+40℃±3℃ Relative Humidity:90%～95% Duration: 48 hours and expose to room temperature for 6 hours
5. **Temperature Shock Test**
   Temperature:70℃ /1hour→ 25℃/3hours→-30℃/1hour→ 25℃/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.