

規格承認書

PECIFICATION FOR APPROVAL

客戶
CUSTOMER : 立創
項目
ITEM : 贴片式压电无源蜂鸣器（内部驱动）
型號
TYPE : GSC1370YA-3V4000
描述
DESCRIPTION : L14.0 x W14.0 x H7.0 mm 4000Hz 3V ≥80DB 正发音 LCP 材质
客戶料號
CUSTOMER NO. :
規格書號
SPECIFICATION NO.:
版本
EDITION NO. : V1.0
日期
DATE : 2018-3-9

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 |
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| 周明 | 刘承成 | |

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A. SCOPE

This specification applies SMD piezoelectric buzzer, GSC1370YA-3V4000

B. SPECIFICATION

| No. | Item | Unit | Specification | Condition |
|-----|-------------------------------------|------|------------------|--------------------------|
| 1 | Oscillation Frequency | KHz | 4.0±0.5 | |
| 2 | Operating Voltage | VAC | 2 ~25 | |
| 3 | Rated Voltage | VAC | 3 | |
| 4 | Current Consumption | mA | MAX. 5 | at Rated Voltage |
| 5 | Sound Pressure Level | dB | MIN. 80 | at 10cm at Rated Voltage |
| 6 | Tone Nature | | Single | |
| 7 | Operating Temperature | °C | -20~ +70 | |
| 8 | Storage Temperature | °C | -30 ~ +80 | |
| 9 | Dimension | mm | 14 x14 x H7 | See appearance drawing |
| 10 | Weight (MAX) | gram | 2.0 | |
| 11 | Housing Material | | LCP(Black) | |
| 12 | Leading Pin | | Plated Brass(Au) | See appearance drawing |
| 13 | Environmental Protection Regulation | | RoHS | |

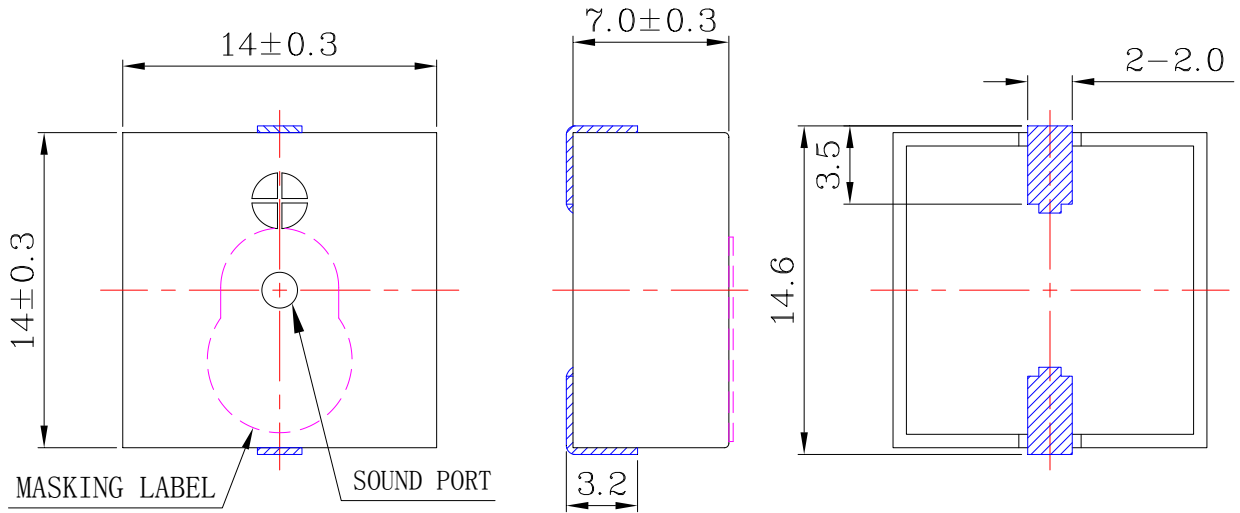
*Applying rated voltage (Resonant frequency, Square wave)

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.

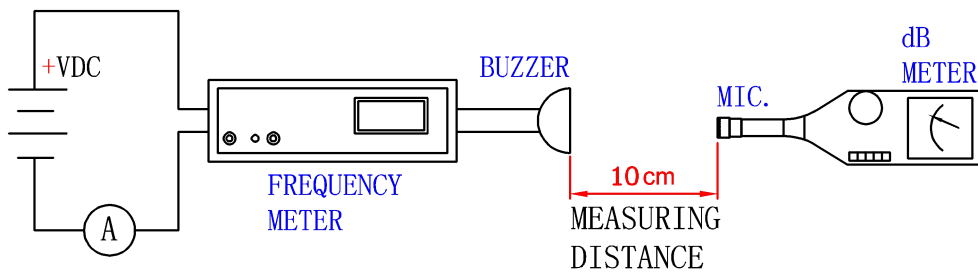
C. APPEARANCE DRAWING

Tolerance: ±0.5mm Except Specified

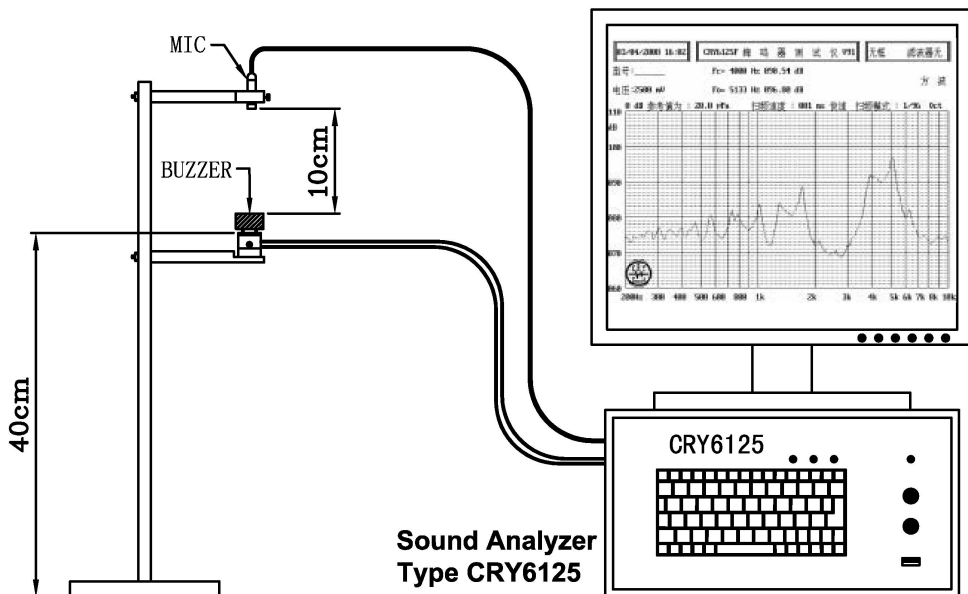


D: TEST METHOD:

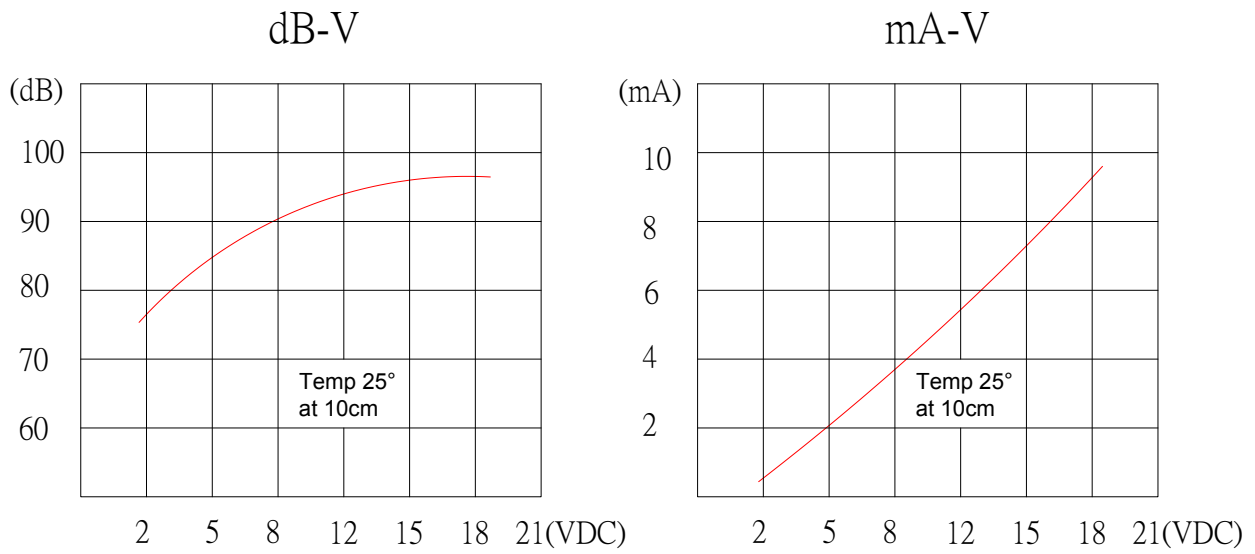
The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below.



In the measuring test, buzzer is placed as follows:



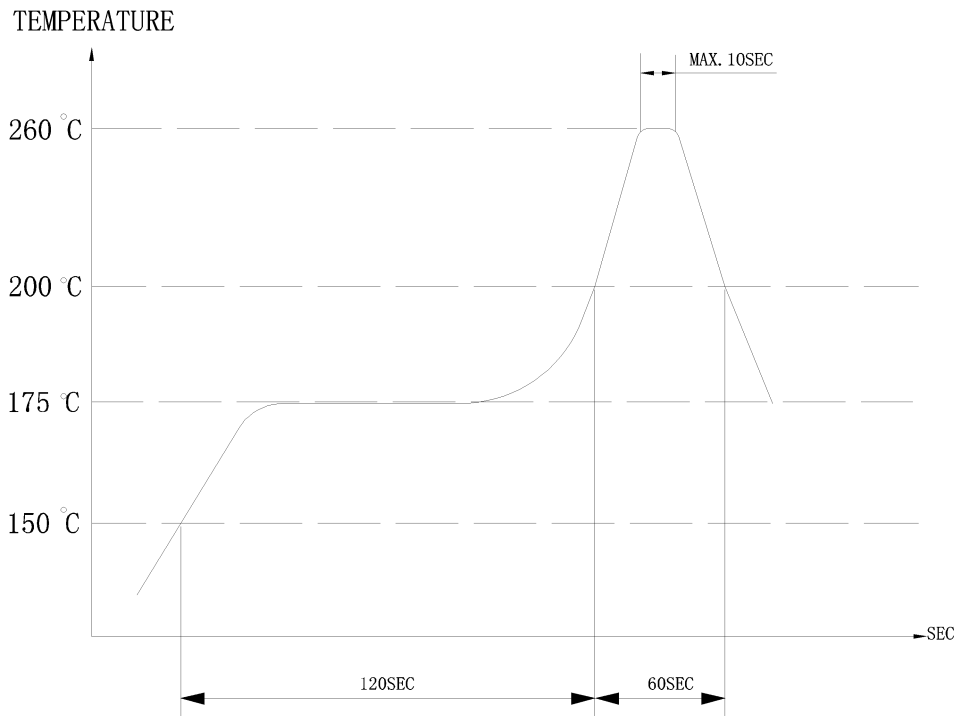
E: FREQUENCY RESPONSE:



E:Recommended Temp. Profile for Reflow Oven (Fig.1)

(1)Recommendable reflow soldering condition is as follows
(Reflow soldering is twice)

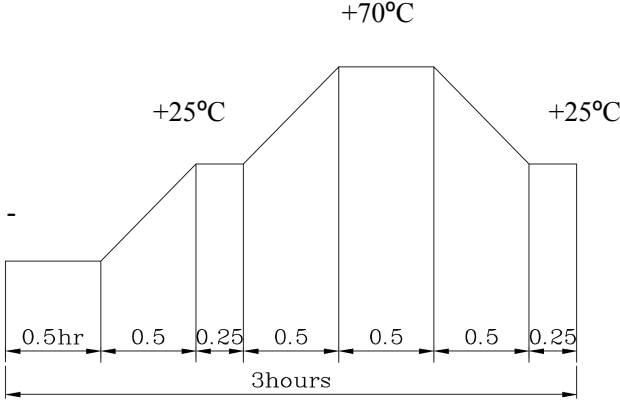
Note:It is requested that reflow soldering should be executed after heat of product goes down to normal.



Heat resistant line
(Used when heat resistant reliability test is performed)

(2)Manual soldering

Manual soldering temperature 350 °C within 5 sec.

| NO. | ITEM | TEST CONDITION AND REQUIREMENT |
|-----|---------------------------------|--|
| 1 | High Temperature Test (Storage) | After being placed in a chamber with 80 °C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: 10dB. |
| 2 | Low Temperature Test (Storage) | After being Placed in a chamber with -30 °C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: 10dB. |
| 3 | Humidity Test | After being Placed in a chamber with 90-95% R.H. at 40 °C for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: 10dB. |
| 4 | Temperature Cycle Test | <p>The part shall be subjected to 5 cycles. One cycle shall be consist of:</p>  <p>Allowable variation of SPL after test: 10dB.</p> |
| 5 | Drop Test | Drop on a hard wood board of 4cm thick, any directions ,6 times, at the height of 75cm . Allowable variation of SPL after test: 10dB. |
| 6 | Vibration Test | After being applied vibration of amplitude of 1.5mm with 10 to 55 Hz band of vibration frequency to each of 3 perpendicular directions for 2 hours . Allowable variation of SPL after test: 10dB. |
| 7 | Solderability Test | Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of +300 °C for 3 1 seconds . 90% min. lead terminals shall be wet with solder (Except the edge of terminals). |
| 8 | Terminal Strength Pulling Test | The force of 9.8N(1.0kg) is applied to each terminal in axial direction for 10 seconds. No visible damage and cutting off. |

TEST CONDITION.

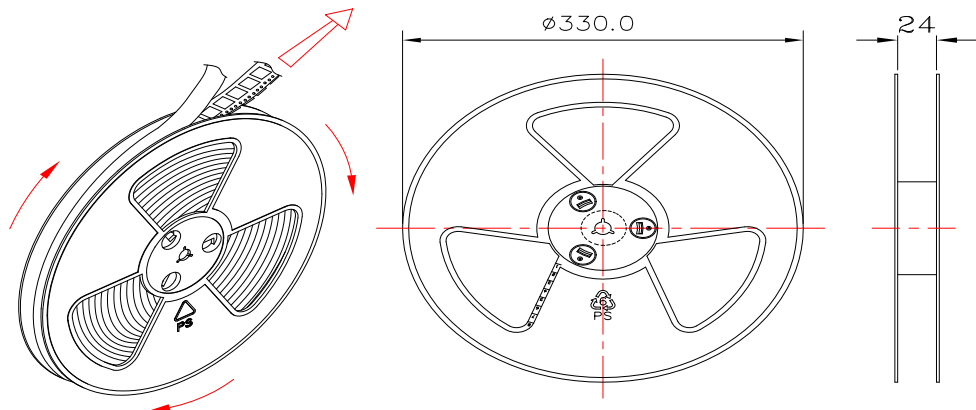
Standard Test Condition :a) Temperature : +5 ~ +35°C b) Humidity : 45-85% c) Pressure : 860-1060mbar

一般测试条件: a) 温度 : +5 ~ +35°C b) 湿度 : 45-85% c) 气压 : 860-1060mbar

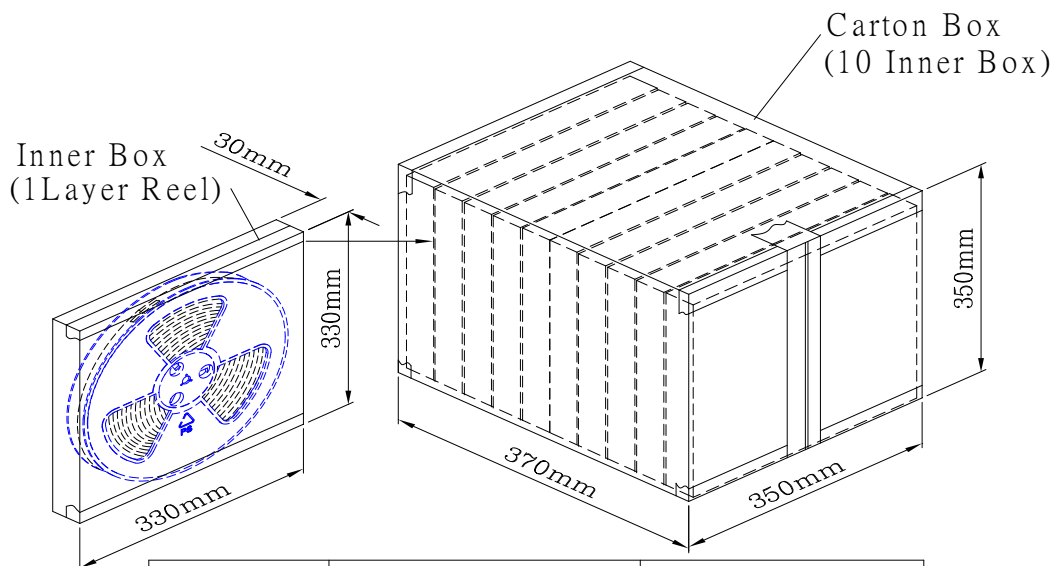
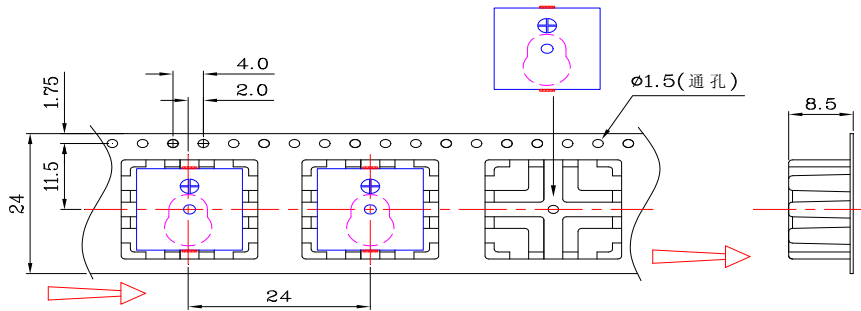
Judgment Test Condition:a) Temperature : +25 ± 2°C b) Humidity : 60-70% c) Pressure : 860-1060mbar

争议时测试条件: a) 温度 : +25 ± 2°C b) 湿度 : 60-70% c) 气压 : 860-1060mbar

F: PACKING:



1 Reel : 300PCS



| | | |
|------------|-----------------------|--------------------|
| Inner Box | 330mm x 330mm x 30mm | 1x300PCS=300PCS |
| Carton Box | 350mm x 350mm x 370mm | 10x300PCS=3,000PCS |

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