

# 承 认 书

SPECIFICATION    FOR    APPROVAL

客户 (CUSTOMER): \_\_\_\_\_

产品名称 (PRODUCT NAME): 电磁式蜂鸣器 (内含驱动线路)

型号 (TYPE): YS-MBZ12095DYB05

客户料号 (CUSTOMER NO) \_\_\_\_\_

日期 (DATE): 2024-04-18

|            |
|------------|
| 客户确认: (签章) |
|            |
| 日期:        |

东 莞 市 锋 鸣 电 子 有 限 公 司

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制单: 李琳

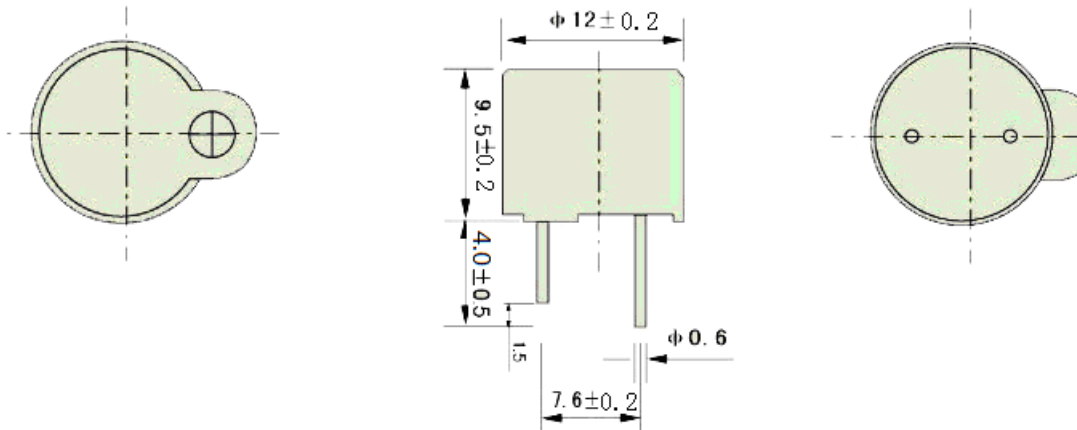
业务: 宋浩亮

工程: 黄鑫

# FENGMING TECH OF DONGGUAN CO.,LTD

YS-MBZ12095DYB05

DIMENSIONS Unit:mm Tolerance:  $\pm 0.5\text{mm}$



## SPECIFICATIONS

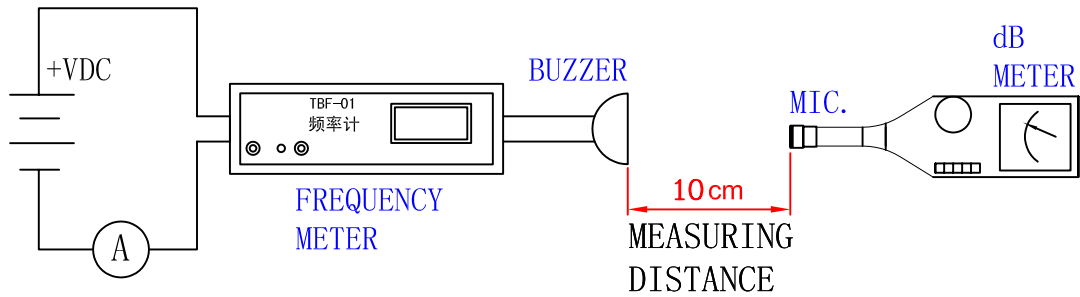
|                                    |                  |
|------------------------------------|------------------|
| Model NO                           | YS-MBZ12095DYB05 |
| Rated Voltage                      | 5VDC             |
| Operating Voltage                  | 3.0~7.0VDC       |
| Max.Rated Current                  | Max.30mA         |
| sound Pressure level(dB/min)at10cm | Min 85dB         |
| Resonant Frequency                 | 2400 $\pm$ 300Hz |
| Operating Temperature              | -30℃~+70℃        |
| Storage Temperature                | -40℃~+80℃        |

备注：建议蜂鸣器的驱动电流在 24-28MA

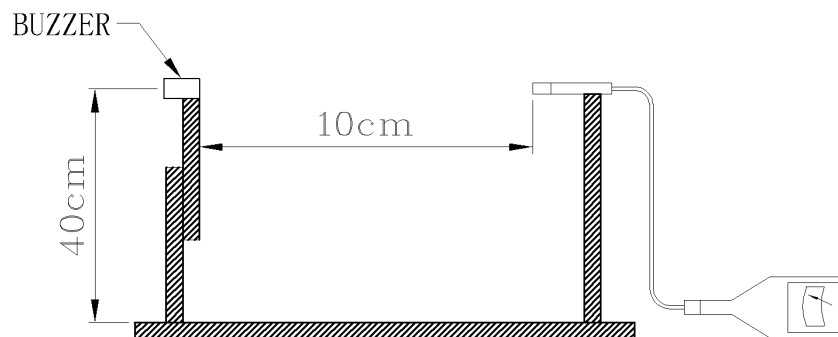
蜂鸣器过波峰焊温度：255+/-5 度,时间不超过 5 秒。

## Acoustic Characteristics:

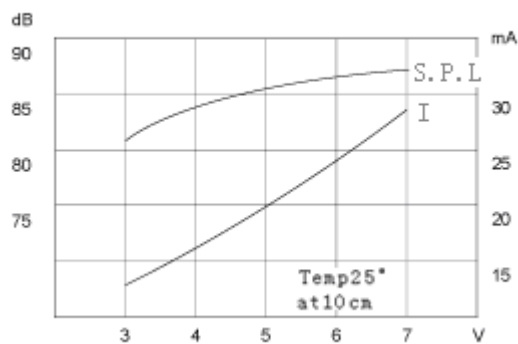
The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below



In the measuring test, buzzer is placed as follows:



## Typical Frequency Response Curve



**RELIABLY TEST:**

| NO. | ITEM                   | TESTING CONDITION                                                                                                                                                               | VARIANCE AFTER TEST                                                                                  |
|-----|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| 1   | Humidity               | $40 \pm 2^{\circ}\text{C}$ , 93(+2/-3)%RH, 96HRS                                                                                                                                | All specifications must be satisfied after the test.                                                 |
| 2   | <i>High temp.</i>      | $+80 \pm 2^{\circ}\text{C}$ , 96HRS                                                                                                                                             |                                                                                                      |
| 3   | Low temp.              | $-30 \pm 2^{\circ}\text{C}$ , 96HRS                                                                                                                                             |                                                                                                      |
| 4   | Temperature cycling    | $-30 \pm 2^{\circ}\text{C}$ , 30minutes<br>room temp. 15minutes<br>$+80 \pm 2^{\circ}\text{C}$ , 30minutes<br>room temp. 15minutes<br>5 cycles                                  |                                                                                                      |
| 5   | Drop test              | 3 times from height of 70cm onto the surface of 10mm thick wooden board.                                                                                                        |                                                                                                      |
| 6   | Vibration test         | Make the test for the directions of X Y and Z (total 0.5 hours).<br><br>To-and-fro. sweep time (from 10 to 55 Hz and then 55 to 10 ) under single amplitude of 10mm is 3minute. | After the test part shall meet specifications without any degradation in appearance and performance. |
| 7   | Solder heat resistance | The part leads (pins) shall be immersed in molten solder maintained at $260 \pm 5^{\circ}\text{C}$ for a period of 30 seconds.                                                  |                                                                                                      |