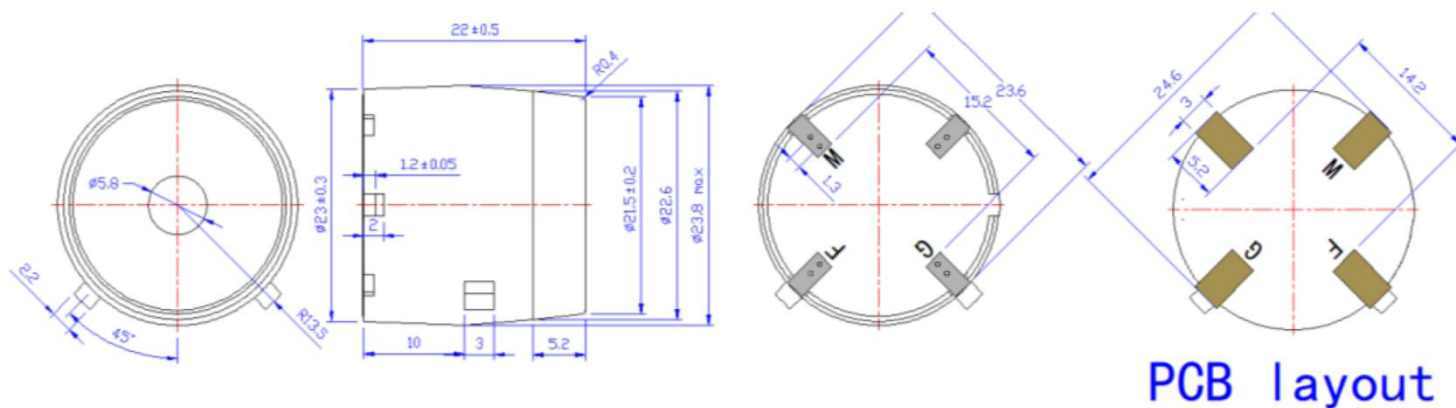




## Electrical Specifications

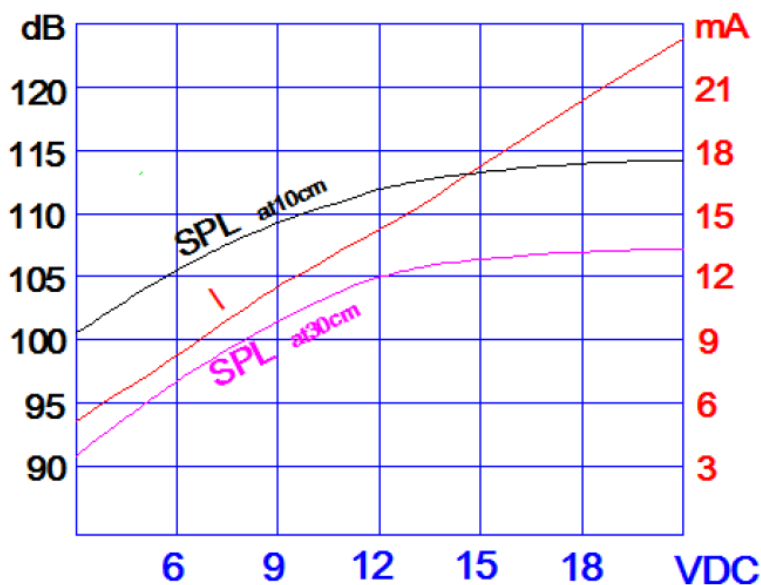
| PARAMETERS                   |                                                                                                                                  |                                                                       | VALUE                       | UNIT             |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------|------------------|
| Operating Frequency          |                                                                                                                                  |                                                                       | 3200 ±500                   | Hz               |
| Rated Voltage                |                                                                                                                                  |                                                                       | 9                           | VDC              |
| Operating Voltage            |                                                                                                                                  |                                                                       | 5 ~ 15                      | VDC              |
| Capacitance                  | @ 100Hz, 1Vrms                                                                                                                   |                                                                       | 25000 ±30%                  | pF               |
| Rated Current                | @ 9 VD, 25°C                                                                                                                     |                                                                       | 20                          | mA               |
| Sound Output, min            | @ 9 VDC, 10cm, 25°C                                                                                                              |                                                                       | 105                         | dB               |
| High Temperature Reliability | No function for 240 hours                                                                                                        |                                                                       | + 90 ±2                     | °C               |
|                              | Function for 240 hours                                                                                                           |                                                                       | +85 ±2                      | °C               |
| Low Temperature Reliability  | No function for 240 hours                                                                                                        |                                                                       | -40 ±2                      | °C               |
| Relative Humidity            | @ +40 ±2 °C, R.H 240 hours                                                                                                       |                                                                       | 90 ~ 95                     | %                |
| Operating Temperature Range  |                                                                                                                                  |                                                                       | -40 ~ +85                   | °C               |
| Storage Temperature Range    |                                                                                                                                  |                                                                       | -40 ~ +90                   | °C               |
| Termination                  | Description                                                                                                                      |                                                                       | PCB, Sn Plated              | -                |
|                              | Termination Strength                                                                                                             | @ 10s load pull test                                                  | 9.8                         | N                |
| Case                         |                                                                                                                                  |                                                                       | Plastic, PPS A7-03 or equal | -                |
| Diaphragm                    |                                                                                                                                  |                                                                       | Ni Alloy Disc N42 or equal  | -                |
| Weight (typ)                 |                                                                                                                                  |                                                                       | 5.5                         | g                |
| Thermal Cycle                |                                                                                                                                  | -30±2°C, 0.5hr<br>+25±2°C ,0.25hr<br>+85±2°C , 0.5hr<br>+25°C ,0.25hr | 5                           | cycles           |
| Vibration                    | @ 10 to 50Hz of vibration frequency to each of 3 perpendicular directions for 2 hours                                            |                                                                       | 1.5                         | mm               |
| Shock                        | @ Shock for each mutually perpendicular directions, half sine wave, 3 times each                                                 |                                                                       | 980                         | m/s <sup>2</sup> |
| Drop Test                    | Dropped naturally from 750mm height onto the surface of 10mm wooden board. 2 directions – upper and side of the part are applied |                                                                       |                             |                  |
| Life Test                    | @ 9 VDC in room temperature continuously for 1,000 hours                                                                         |                                                                       |                             |                  |

#### Dimension

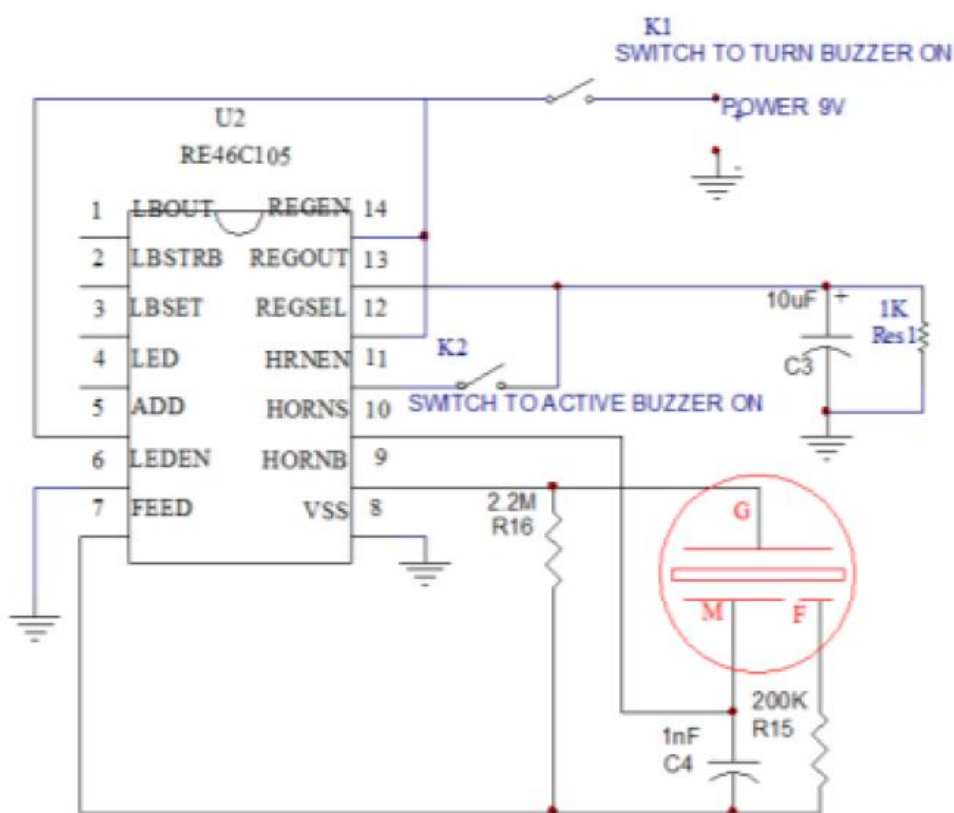


Unit: mm, Tolerance:  $\pm 0.3$  mm unless otherwise specified

#### Frequency Characteristics



#### Driving Circuit



#### APPROVAL

|             |                    |
|-------------|--------------------|
| DRAWN BY    | AR, June 10, 2025  |
| APPROVED BY | CP, June 10, 2025  |
| REVISION    | A, Initial Release |

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