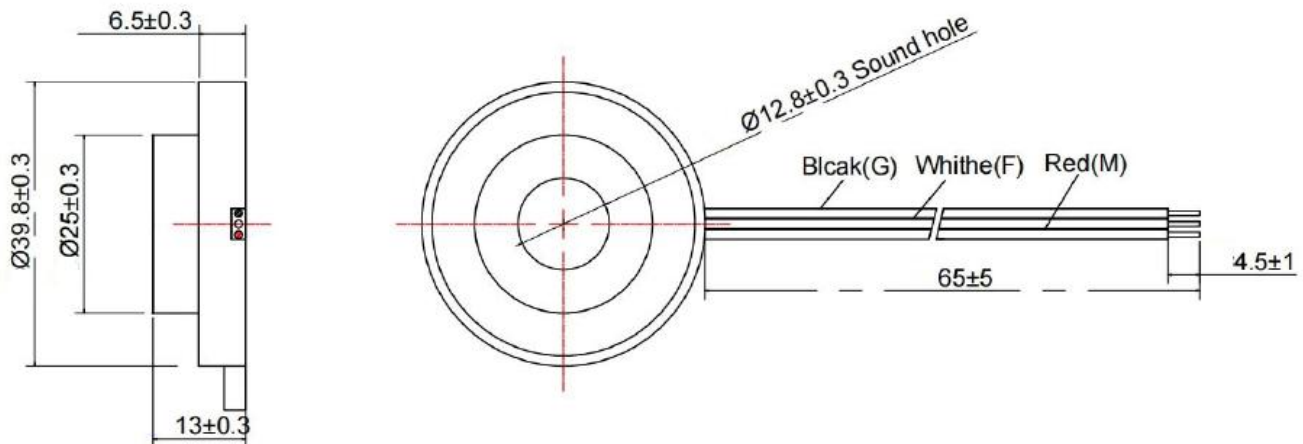




Electrical Specifications

| PARAMETERS | | | VALUE | UNIT |
|-----------------------------|-------------------------|------------------|--------------|------|
| Resonant Frequency | | | 3200 ±300 | Hz |
| Rated Voltage | @ Test Circuit 1 | | 7.5 | VDC |
| | @ Test Circuit 2 | | 3.0 | VDC |
| Operating Voltage | @ Test Circuit 1 | | 5 ~ 12 | VDC |
| | @ Test Circuit 2 | | 2 ~ 5 | VDC |
| Sound Output, min | @ Rated Voltage , 300cm | | 85 | dB |
| Current Consumption, max | @ Rated Voltage | @ Test Circuit 1 | 30 | mA |
| | | @ Test Circuit 2 | 40 | mA |
| Operating Temperature Range | | | -20 ~ +70 | °C |
| Housing Material | | | PPO | - |
| Wire Standard | | | UL1095-28AWG | - |
| Operating Temperature Range | | | -20 ~ +70 | °C |
| Storage Temperature Range | | | -30 ~ +85 | °C |
| Weight, max | | | 9.0 | g |

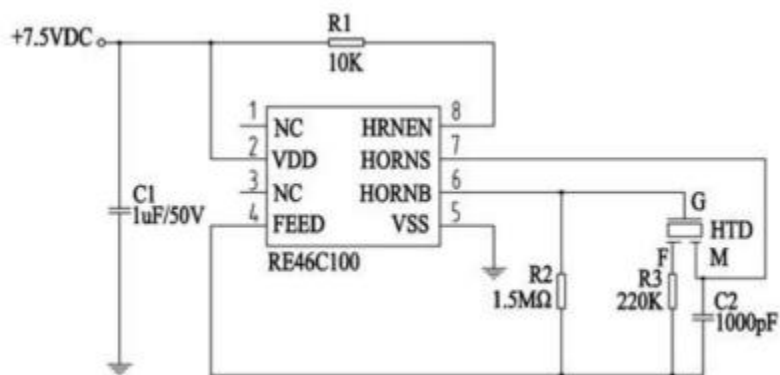
Dimension



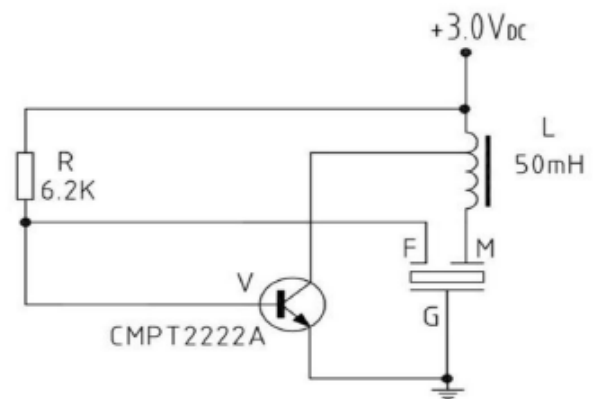
Unit: mm Tolerance: ± 0.5

Test Circuit

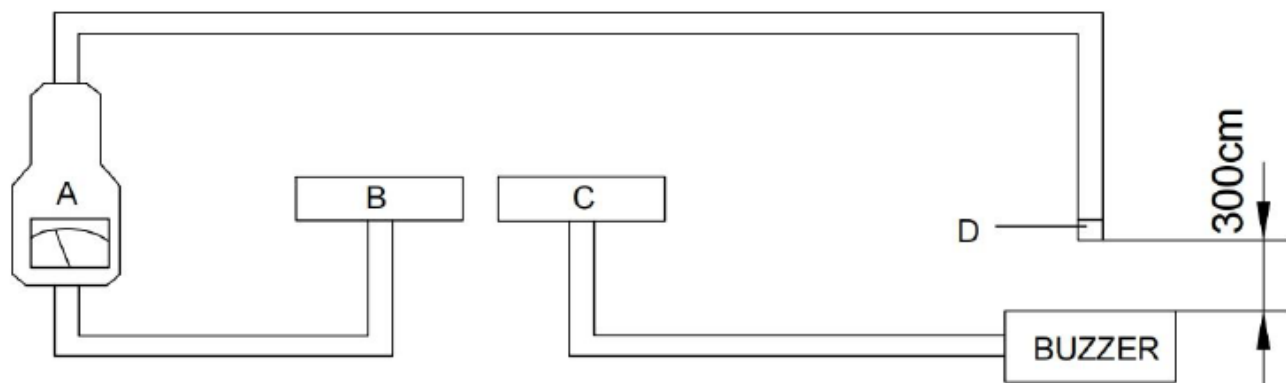
Test Circuit 1



Test Circuit 2



Test Method



A: Sound Pressure Level Meter

B: Frequency Counter

C: Direct-Current (DC) Supply Unit

D: Sound Pressure Level For Focus

Reliability Test

| ITEM | METHOD OF TEST | VARLANCE AFTER CONDITIONIN |
|----------------------------|--|--|
| Dry Heat Test (Storage) | After being placed in a chamber with $+ 85\pm 2^{\circ}\text{C}$ for 96 hours and then Being placed in natural condition for 2 hours, buzzer shall Be measured | After the test the part shall meet specifications without any degradation in appearance and performance except SPL. SPL shall be initial value $\pm 10\text{dB}$ |
| Cold Test (Storage) | After being placed in a chamber with $- 40\pm 2^{\circ}\text{C}$ for 96 hours and then Being placed in natural condition for 2 hours, buzzer shall Be measured | |
| Temperature Cycle Test | Make the test for 5 cycles without applying power as ($-40\pm 2^{\circ}\text{C}$ for 30 minutes $\rightarrow 20\pm 2^{\circ}\text{C}$ for 15 minutes $\rightarrow 85\pm 2^{\circ}\text{C}$ for 30 minutes $\rightarrow 20\pm 2^{\circ}\text{C}$ for 15 minutes) then expose to the room temperature for 4 hours | |
| Humidity Test | After being placed in a chamber with 90 to 95%R.H. at $+40\pm 2^{\circ}\text{C}$ for 96 hours and then being placed in natural condition for 2 hours, Buzzer shall be measured | |
| Operation life test | Room temperature life test. 96 hours continuous at room temperature with the rated voltage | |
| Vibration Resistant | Buzzer shall be measured after being applied vibration of amplitude of 1.5mm with 10 to 55Hz band of vibration frequency to each of 3 perpendicular directions for 2 hours | |
| Drop Test | Drop a product naturally form the height of 500mm onto the surface of 100mm thick wooden board. Two directions: This is upper | |

Buzzer Wave Soldering Process

| PIN terminals Soldering process | | Soldering Parameter | | |
|---------------------------------|------------------|---------------------|--------------------------|-------|
| | | Temp.(°C) | Time(Sec.) | Times |
| Lead Free | Reflow soldering | 230±10 | above 170°C time 40 - 70 | 2 |
| | Wave soldering | 260±5 | 4 - 8 | 2 - 3 |
| | Manual soldering | 350±10 | 1 - 3 | 2 - 3 |

• APPROVAL

| | |
|-------------|--------------------|
| DRAWN BY | AR, June 16, 2025 |
| APPROVED BY | CP, June 16, 2025 |
| REVISION | A, Initial Release |

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