# Speaker

## RSP-1100.000-3609-VE-NS1

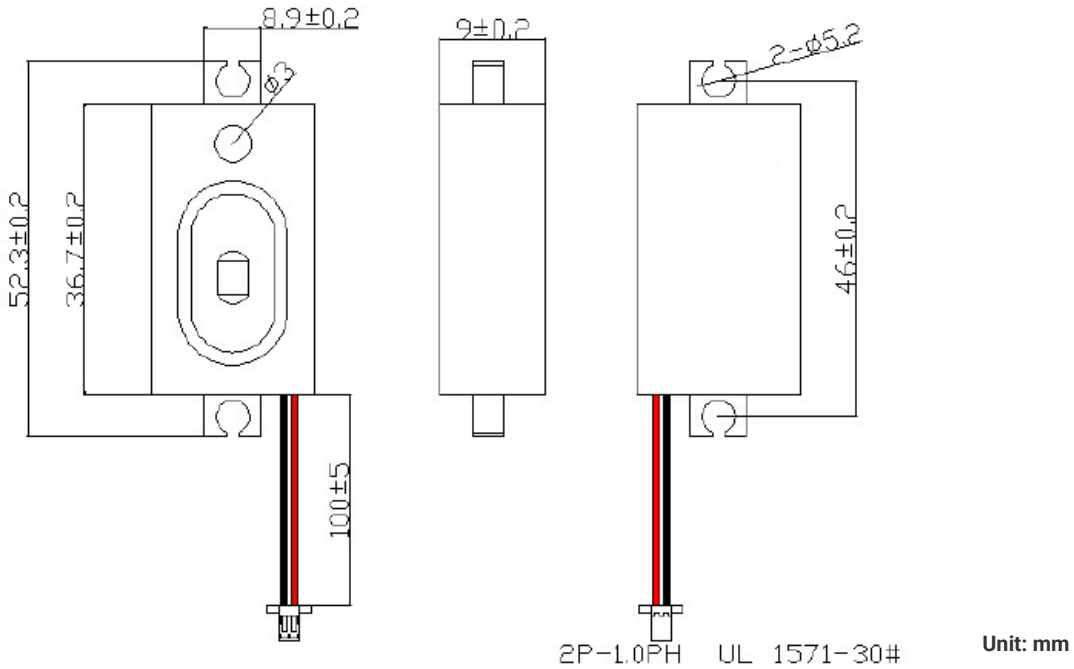
### General Description

36 x 9mm Chambered Speaker

## ELECTRICAL SPECIFICATIONS

| Parameters | | Value | Unit |
|---|---|---|---|
| Resonance Frequency | | 1100±20% | Hz |
| DC Impedance | | 3.6±15% | Ω |
| Rated Noise Power | | 2.0 | W |
| Short-Term Power, max | | 2.5 | W |
| Sound Pressure Level | @ 1kHz, 2W(Sine wave) 0.1m | 90±3 | dB |
| Distortion, max | @ 1.0kHz 1W/0.1m | 10 | % |
| Operating Temperature Range | | -25 ~ +65 | ˚C |
| Storage Temperature Range | | -40 ~ +75 | ˚C |
| Audible Noise | Must be free audible noise (buzzes and rattles) 20 ~ 20000Hz frequency range ,input level up to 2.83Vrms. | | |

## Dimensions




Unit: mm

# Speaker

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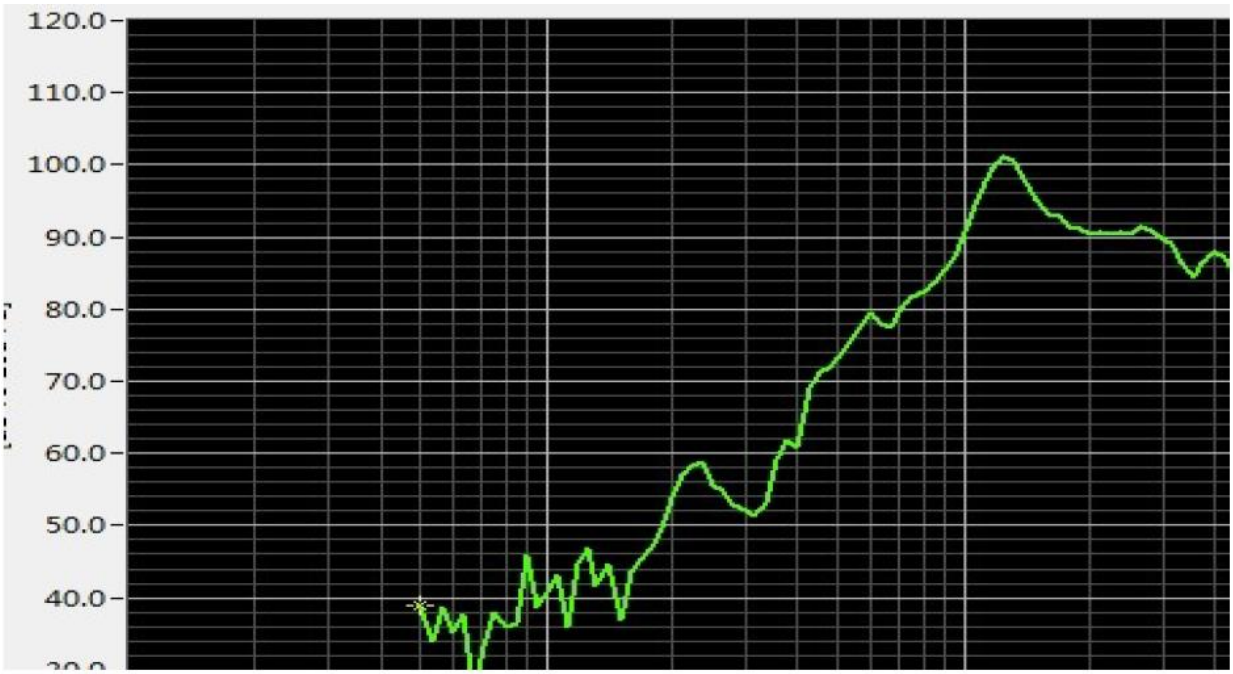
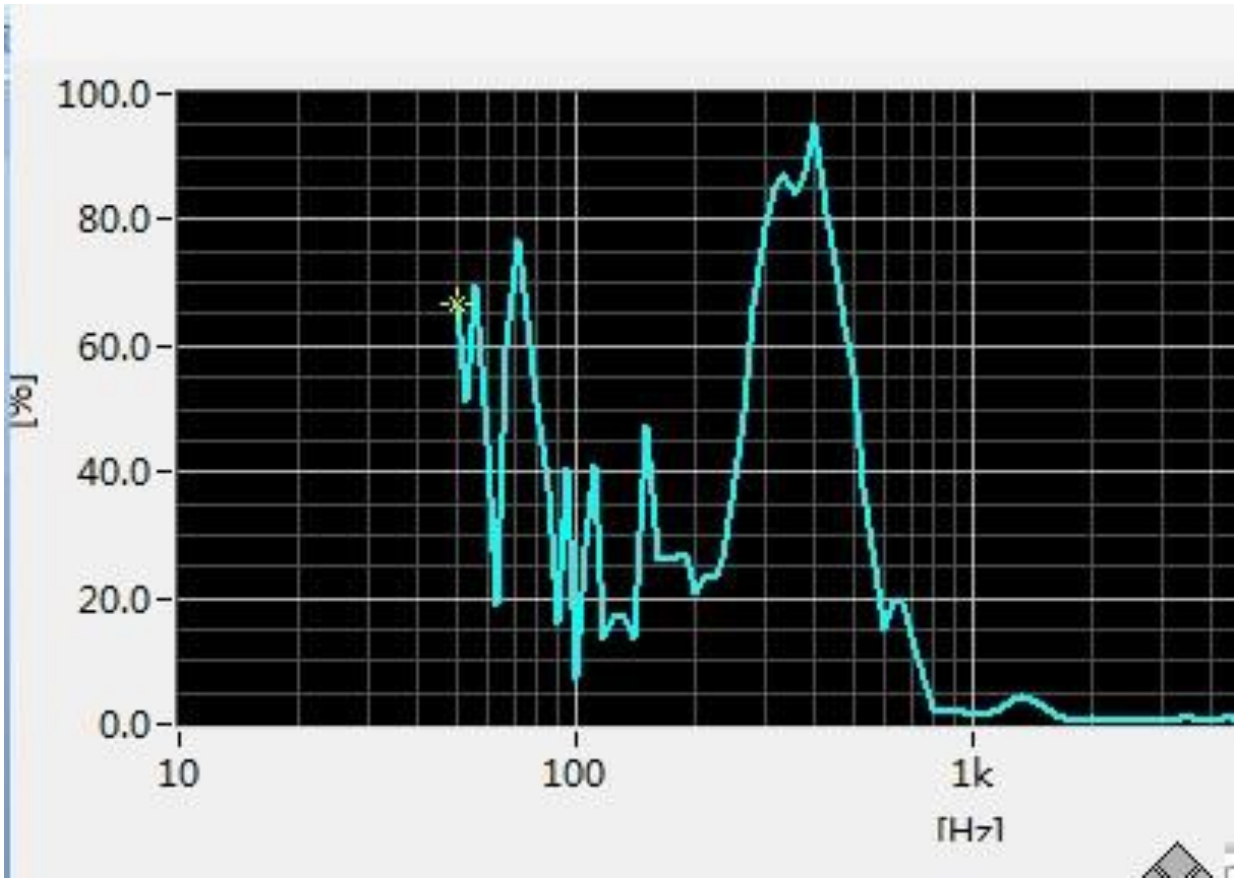
## Frequency Characteristics



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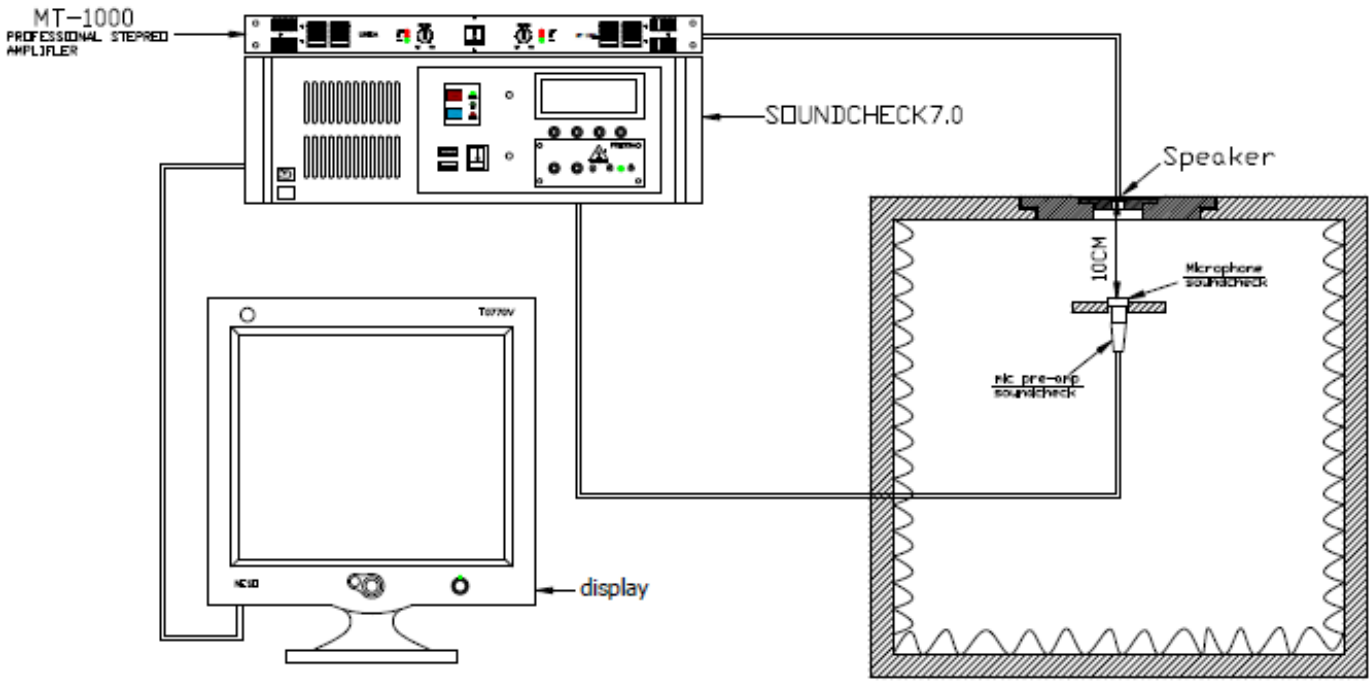
## Speaker Measurement Circuit




## Reliablity Test

**High Temperature Test**
96hours at +75℃±2℃

**Low Temperature Test**
96hours at -25℃±2℃

**Humidity Test**
48hours at +40℃±2℃, 90-95% RH

**Load Test**
Noise signal：Pink Noise
Input Power: 0.5W
Duration : 96 hours

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## RSP-1100.000-3609-VE-NS1

**Temperature Cycle Test**
Temperature: -40℃ +75℃
Duration : 45min 45min
Temperature gradient: 1~3℃/min
Cycle: 10 Cycle

**Drop Test Drop**
Mounted with dummy set mass: 100 g
Height: 1.5m
Cycle: 6 Cycles

**Heat Shock Test :**
High temperature: +75±2℃
Low temperature: -40±2℃
Duration: 1 hours
Cycle: 10

**APPROVAL**

| | |
|---|---|
| DRAWN BY | AR, January 06, 2025 |
| APPROVED BY | CP, January 06, 2025 |
| REVISION | A, Initial Release |



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