

General Description

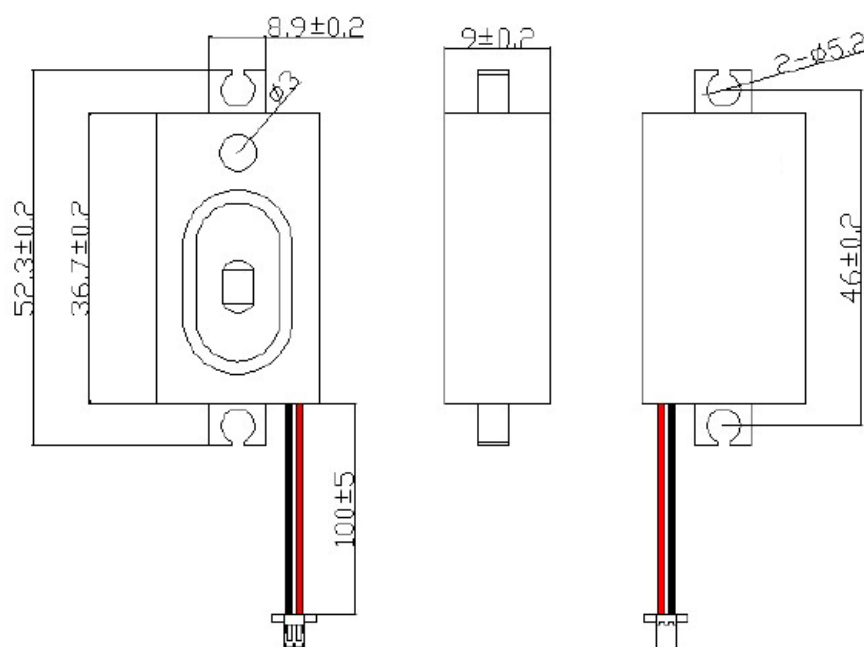
36 x 9mm Chambered Speaker



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.		

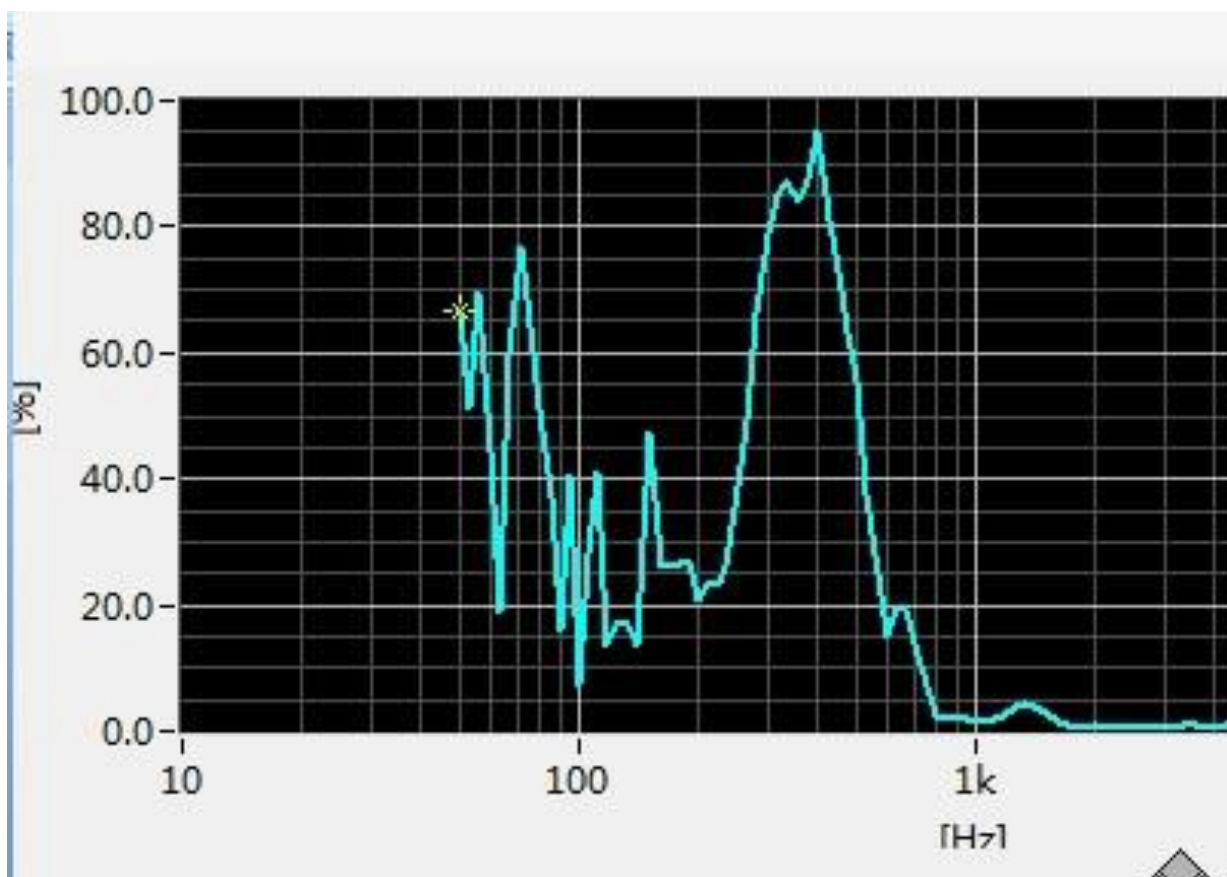
Dimensions



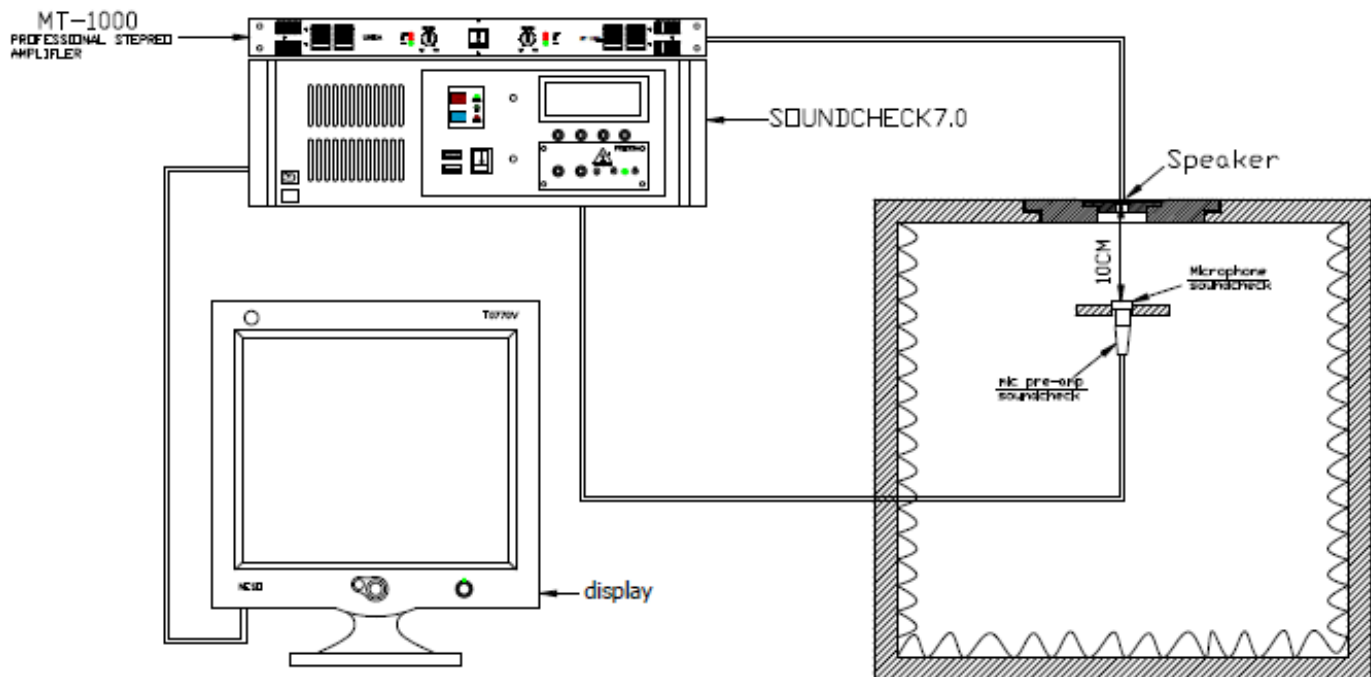
2P-1.0PH UL 1571-30#

Unit: mm

Frequency Characteristics



Speaker Measurement Circuit



Reliability Test

High Temperature Test

96hours at $+75^{\circ}\text{C} \pm 2^{\circ}\text{C}$

Low Temperature Test

96hours at $-25^{\circ}\text{C} \pm 2^{\circ}\text{C}$

Humidity Test

48hours at $+40^{\circ}\text{C} \pm 2^{\circ}\text{C}$, 90-95% RH

Load Test

Noise signal : Pink Noise

Input Power: 0.5W

Duration : 96 hours

Temperature Cycle Test

Temperature: -40°C +75°C

Duration : 45min 45min

Temperature gradient: 1~3°C/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°C

Low temperature: -40±2°C

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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