

General Description

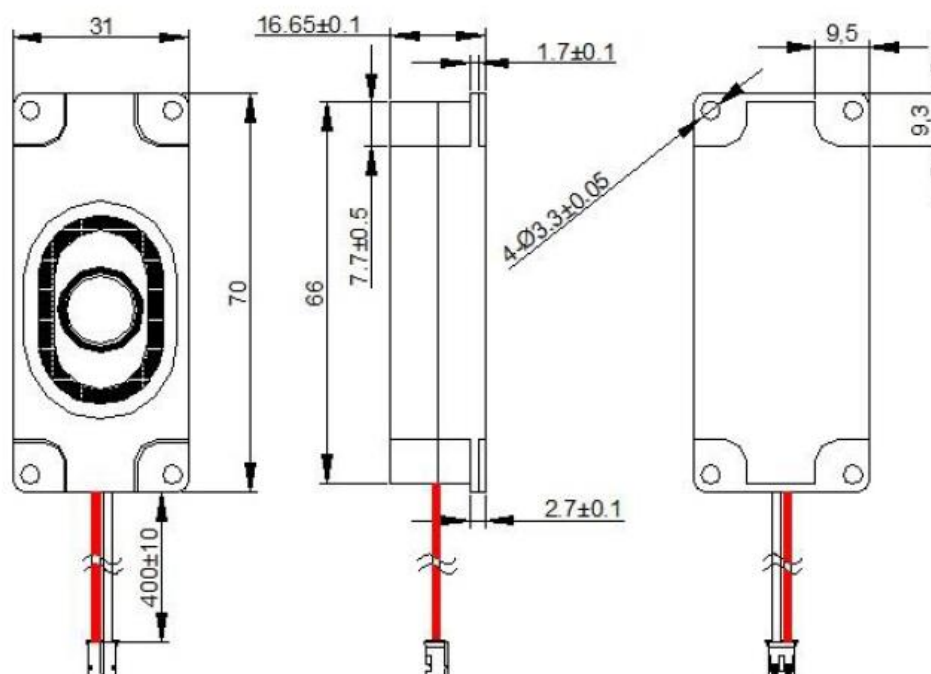
70 x 31mm Chambered Speaker



ELECTRICAL SPECIFICATIONS

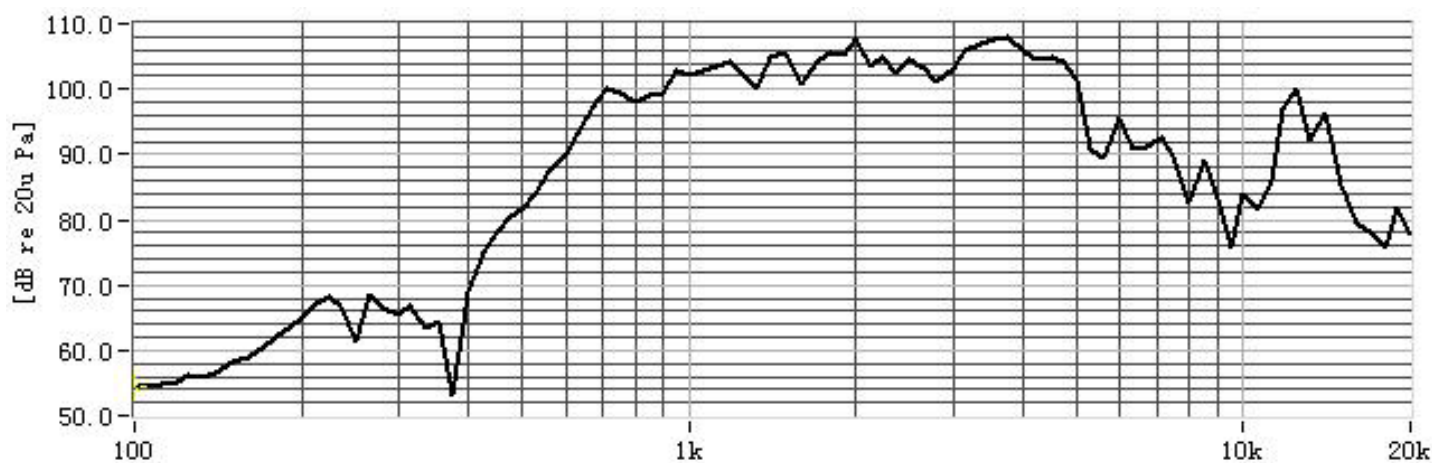
Parameters		Value	Unit
Lowest Resonance Frequency		750±20%	Hz
Impedance	@ 1.0kHz 1.0V	4±20%	Ω
Rated Input Power		3.0	W
Input Power, max		5.0	W
Dimension		70 x 31	mm
Height		16.65	mm
Sound Pressure Level	@ SPL (0.1m,1.0W) at 1.0kHz (0dB SPL=20μPa)	101±3	dB
Distortion, max	@ 1kHz	10	%
Operating Temperature Range		-20 ~ +50	°C
Storage Temperature Range		-30 ~ +60	°C
Audible Noise	The input power shall be set at rated noise power(3.0W). Using an audio oscillator sweep from F0 to 10kHz in free air. There shall be no buzzes,rattles,nor spurious noises.		

Dimensions

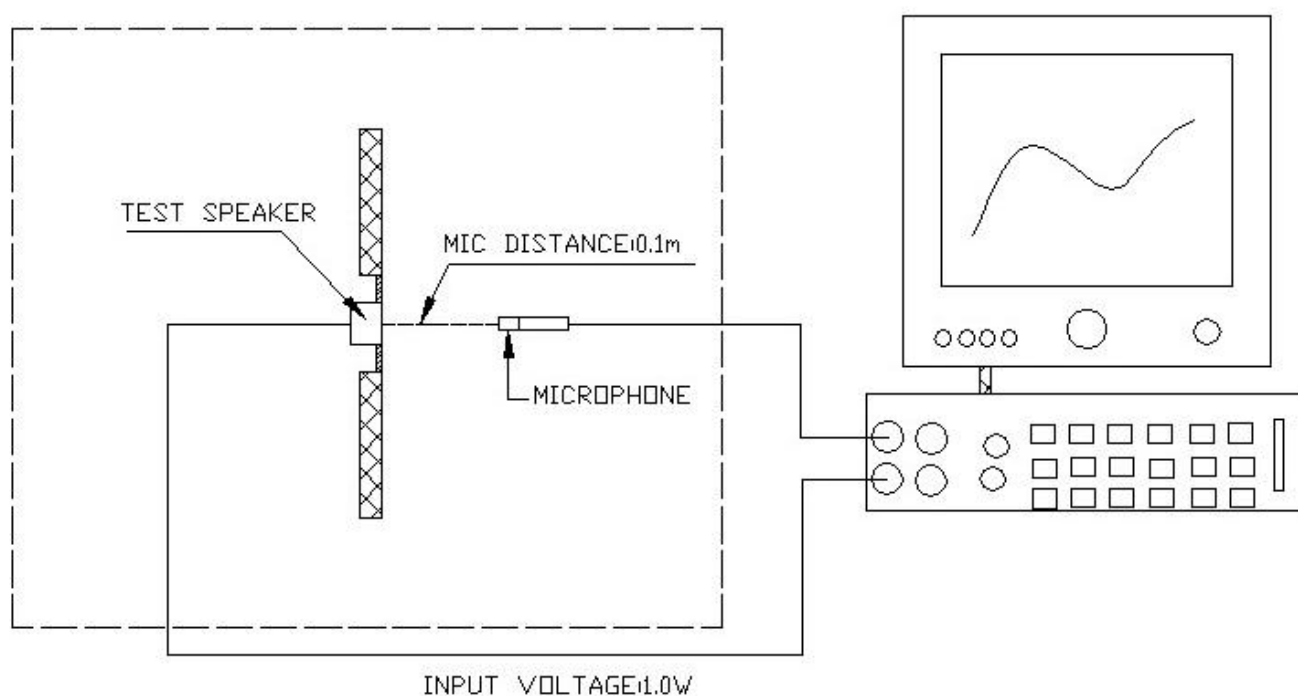


Unit: mm; Tolerance: ±0.3mm Except Specified

Frequency Characteristics



Speaker Measurement Circuit



Reliability Test

Reliability Test Performance

High Temperature Test

24hours at +60°C±3°C

Low Temperature Test

24 hours at -30°C±3°C

Humidity Test

48hours at +40°C±3°C, 90-95% RH

Vibration Test

Vibration: 10Hz ~ 55Hz

Amplitude: 1.5mm or acceleration : 50m/s²

Duration : 2h per axis=10cycles ; 3 axis

Temperature Cycle Test

Temperature: -30°C +60°C

Duration : 1 hours 1 hours

Cycle: 3 Cycle

Drop Test Drop

Height: 1.0m (75°)

Cycle: 6 Cycles

Load Test

Noise: White noise

Power: 3.0W

Duration: 48 hours and satisfy the test listed on item 05,08,14.

APPROVAL

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



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