

Product Specification

Number: L-KLS3-LPT-35x09-L100MM

Name: Externally driven piezo buzzers

Customer: _____

Date: 2026-03-26



NINGBO KLS ELECTRONIC CO; LTD

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INDUSTRIAL ZONE BEILUN NINGBO ZHEJIANG.**

Compi	Check	Review	Approva
Jenny	Jack.C		

Technical terms

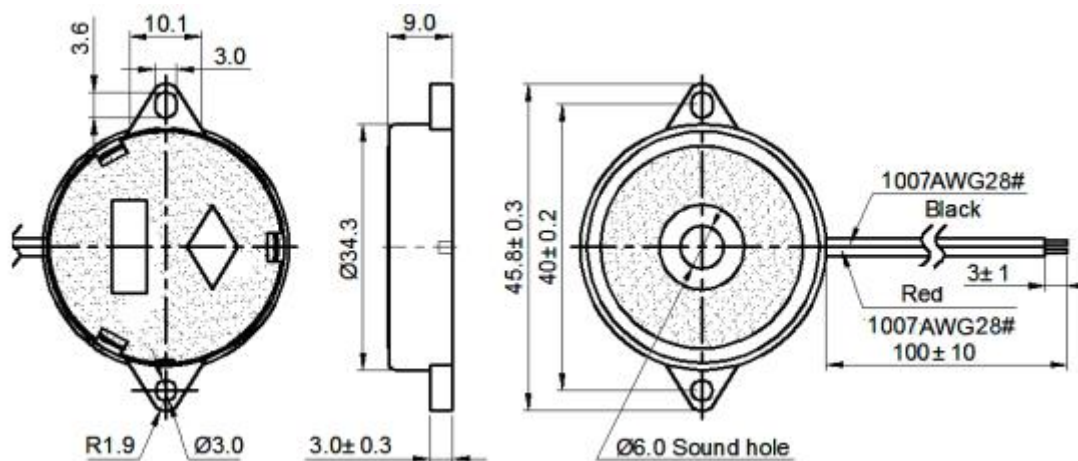
No.	Technical terms	Value
1	Rated Voltage (Vp-p)	12
2	Max Input Voltage(Vp-p)	30
3	*Rated Current(mA)	≤ 12
4	Capacitance at 100Hz (pF)	$50000 \pm 30\%$
5	*Sound Output at 10cm(dB)	≥ 88
6	Resonance Frequency (Hz)	1100 ± 500
7	Operating Temperature(°C)	-20~+60
8	Storage Temperature(°C)	-30~+70
9	Weight (g)	6
10	Housing Material	ABS / Black
11	RoHS	Yes

*Value applying at rated voltage , [1100Hz](#), 1/2 duty , square wave

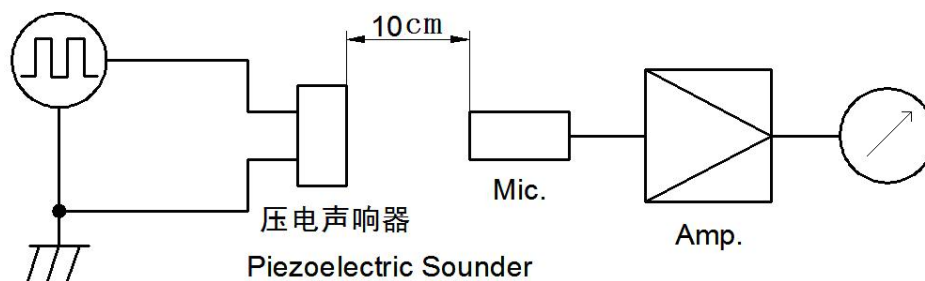
Test Basic State: Temp($20 \pm 2^\circ\text{C}$), Humidity(40~70%RH), Air pressure(860~1060hPa).

DIMENSIONS (UNIT: mm)

Tolerance: $\pm 0.5\text{mm}$ Except Specified



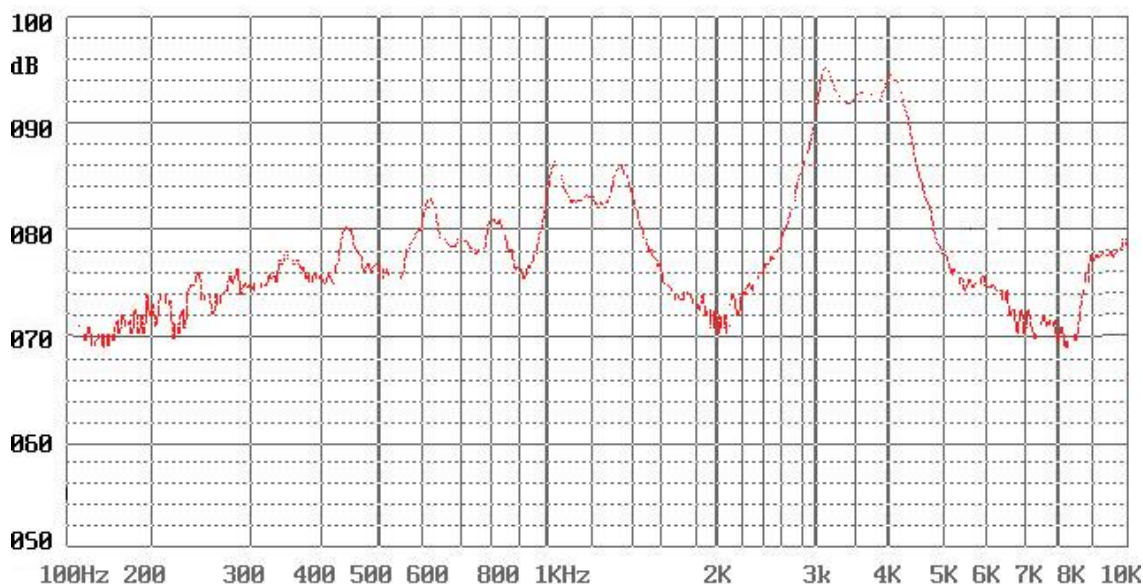
TEST METHOD:



MIC: ND10 普通声级计或等同品
MIC: ND10 Sound Meter or equivalent

信号发生器: DF1641D或等同品
Signal Generator: DF1641D or equivalent

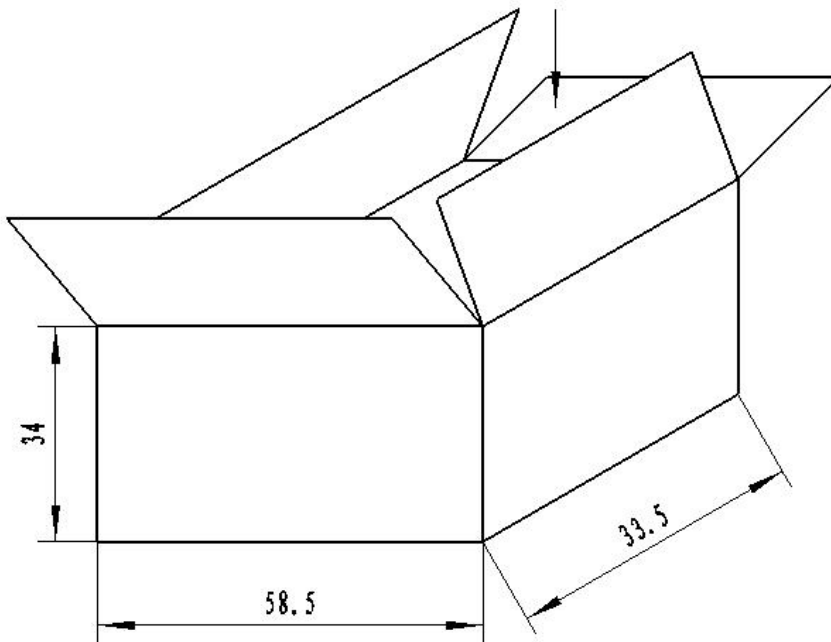
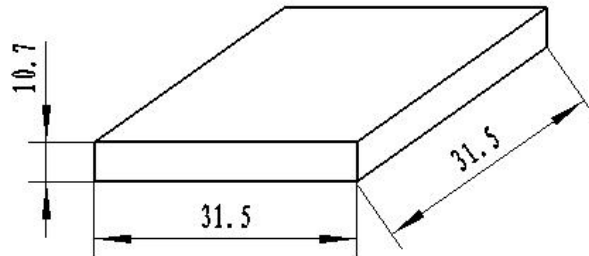
FREQUENCY RESPONSE:



RELIABILITY TEST:

NO.	ITEM	TESTING CONDITION	VARIANCE AFTER TEST
1	Humidity	$40 \pm 2^{\circ}\text{C}$, 93(+2/-3)%RH, 96HRS	After being placed for 2 to 4hrs at room temp, the product shall meet specifications,except the SPL should be in $\pm 10\text{dB}$ compared with initial one.
2	High temp.	$+80 \pm 2^{\circ}\text{C}$, 96HRS	
3	Low temp.	$-30 \pm 2^{\circ}\text{C}$, 96HRS	
4	Temperature cycling	$-30 \pm 2^{\circ}\text{C}$, 30minutes room temp. 15minutes $+80 \pm 2^{\circ}\text{C}$, 30minutes room temp. 15minutes 5 cycles	
5	Drop test	3 times from height of 70cm onto the surface of 10mm thick wooden board.	After the test part shall meet specifications,except the SPL should be in $\pm 10\text{dB}$ compared with initial one.
6	Vibration test	Make the test for the directions of X Y and Z (total 0.5 hours). To-and-fro. sweep time (from 10 to 55 Hz and then 55 to 10) under single amplitude of 10mm is 1minute.	All specifications must be satisfied after the test.

Part name	Externally driven piezo buzzers	Date	2026-03-26
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PACKING:**NOTES:**

- 1.300 PCS per box
- 2.Total 5 boxes per carton
- 3.Total 1500 PCS per carton
- 4.Volume: $58.5 \times 33.5 \times 34\text{cm}$