

Part name	Externally driven piezo buzzers	Date	2026-06-02
Part number	BUZ-EPT-3509-8.0-1.6	Edition	V1
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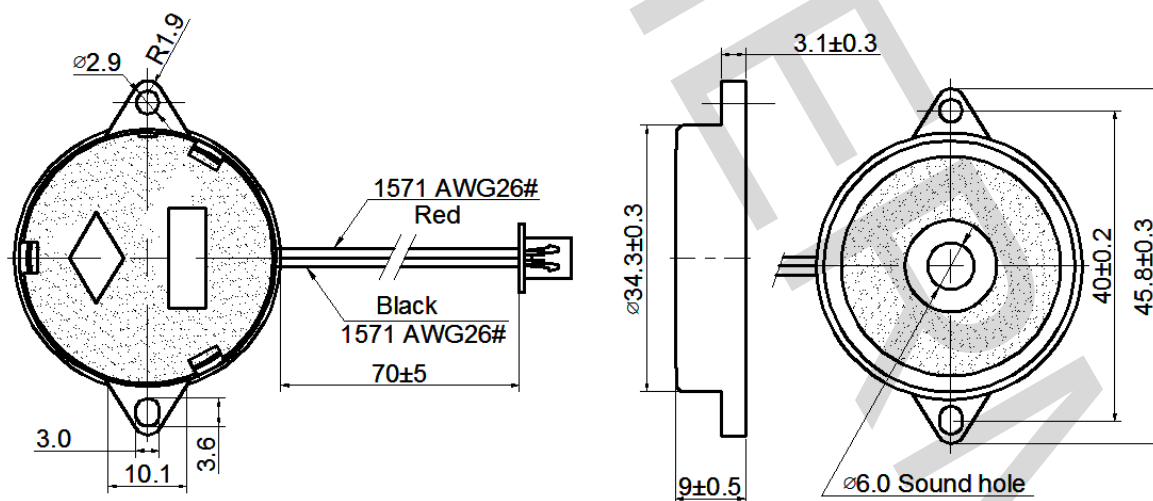
Technical terms

No.	Technical terms	Value
1	Rated Voltage (Vp-p)	8
2	Max Input Voltage(Vp-p)	30
3	*Rated Current(mA)	≤ 15
4	Capacitance at 100Hz (pF)	$50000 \pm 30\%$
5	*Sound Output at 10cm(dB)	≥ 75
6	Resonance Frequency (Hz)	1600 ± 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 , 1600Hz, 1/2 duty , square wave

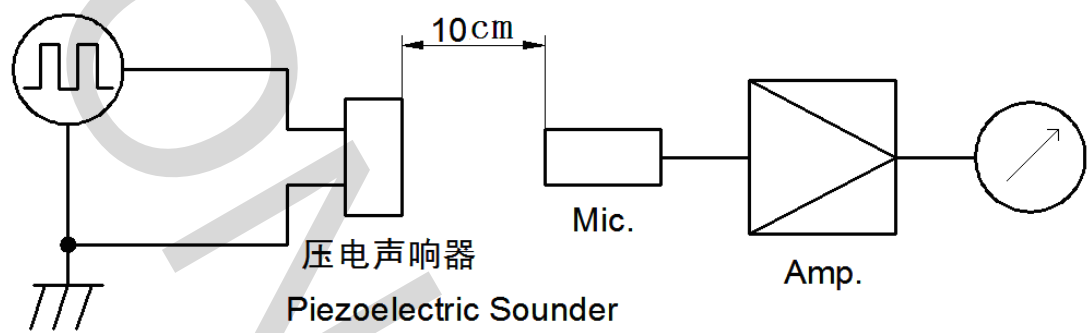
Test Basic State: Temp($20 \pm 2^{\circ}\text{C}$),Humidity(40~70%RH),Air pressure(860~1060hPa).

DIMENSIONS (UNIT: mm) Tolerance: $\pm 0.5\text{mm}$ Except Specified



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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: DF 1641D or equivalent

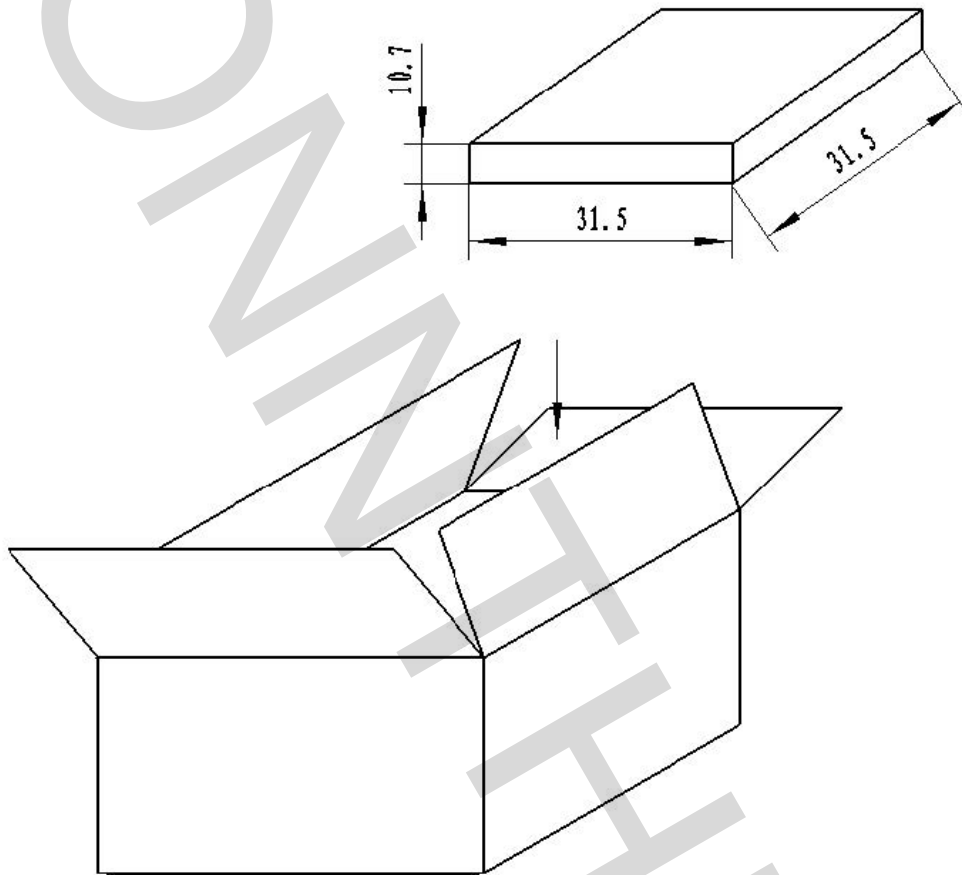
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RELIABILITY TEST:

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 temperature, part shall be tested. The SPL should be in $\pm 10\text{dB}$ compared with initial one.
2	High temp.	$+70 \pm 2^{\circ}\text{C}$, 96HRS	
3	Low temp.	$-30 \pm 2^{\circ}\text{C}$, 96HRS	
4	Temperature cycling	$-30 \pm 2^{\circ}\text{C}$, 30minutes room temp. 15 minutes $+70 \pm 2^{\circ}\text{C}$, 30 minutes room temp. 15 minutes 5 cycles	
5	Drop test	3 times from height of 70cm onto the surface of 10mm thick wooden board.	
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 1.0mm is 1 minute.	

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PACKING:



NOTES:

- 1.400 PCS per box
- 2.Total 5 boxes per carton