

	Part name	Externally driven piezo buzzers	Date	2026-06-02
	Part number	BUZ-EPT-4810-12.0-3.0-L65	Edition	V1
	Department		Page	1 / 4

Technical terms

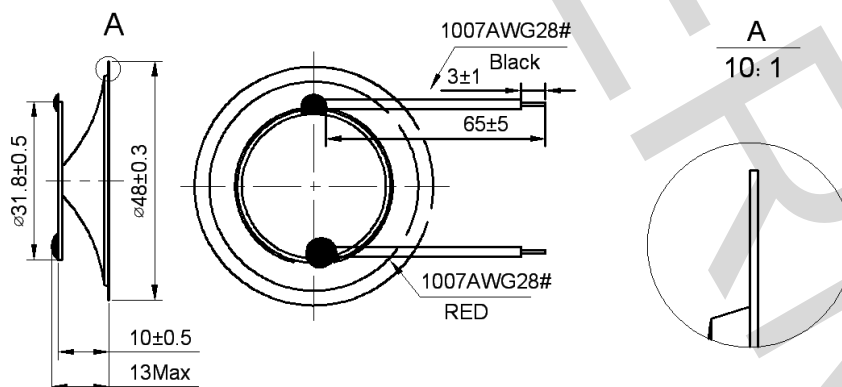
No.	Technical terms	Value
1	Rated Voltage (Vp-p)	12
2	Drive Voltage, Continuous (V _{p-p})	40V
3	Drive Voltage, Intermittent (V _{p-p})	55V
3	*Rated Current (mA)	≤100
4	Capacitance at 120Hz (pF)	120000±30%
5	*Sound Output at30cm (dB)	≥95
6	Resonance Frequency (KHz)	3.0±0.5
7	Operating Temperature (°C)	-40~+100
8	Storage Temperature (°C)	-40~+100
9	Weight (g)	2
10	RoHS	Yes

*Applying rated voltage (at 3.0KHz, 1/2 duty , square wave)

*Test Basic State: Temp(20±2°C),Humidity(40~70%RH),Air pressure(860~1060hPa).

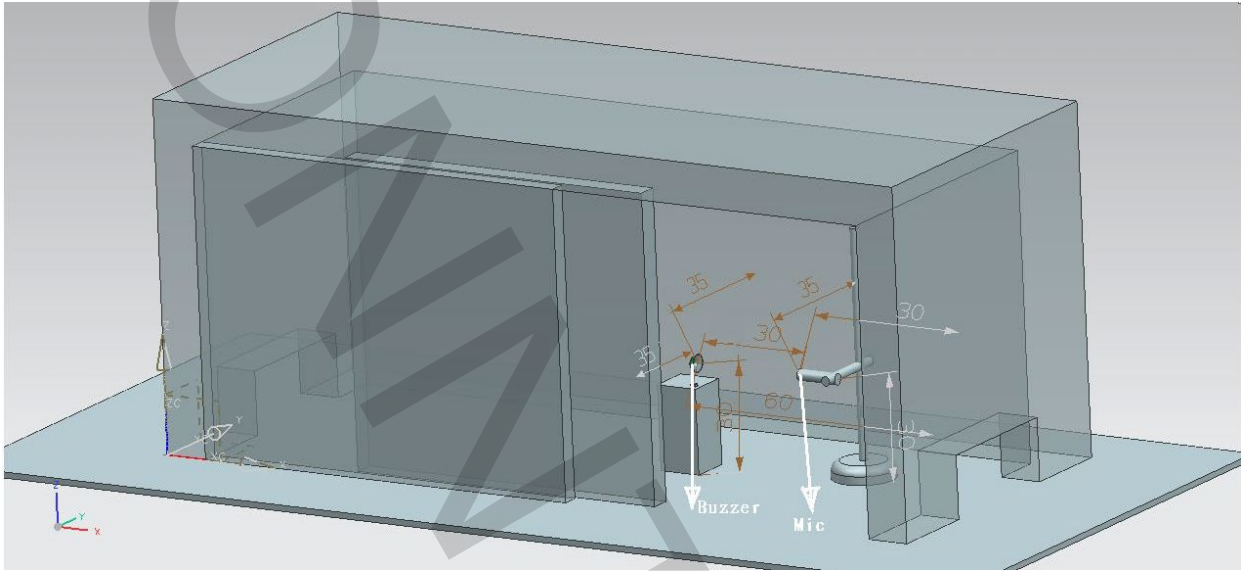
DIMENSIONS (UNIT: mm)

Tolerance: ±0.5mm Except Specified

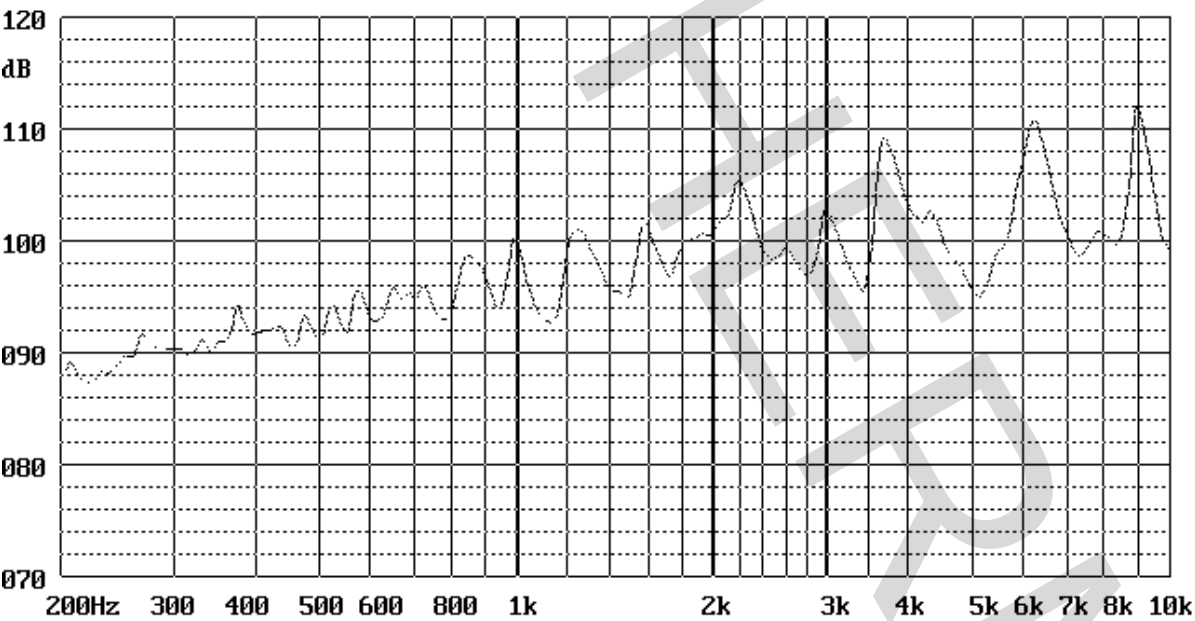


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Part number	BUZ-EPT-4810-12.0-3.0-L65	Edition	V1
Department		Page	2 / 4

TEST METHOD:



FREQUENCY RESPONSE:



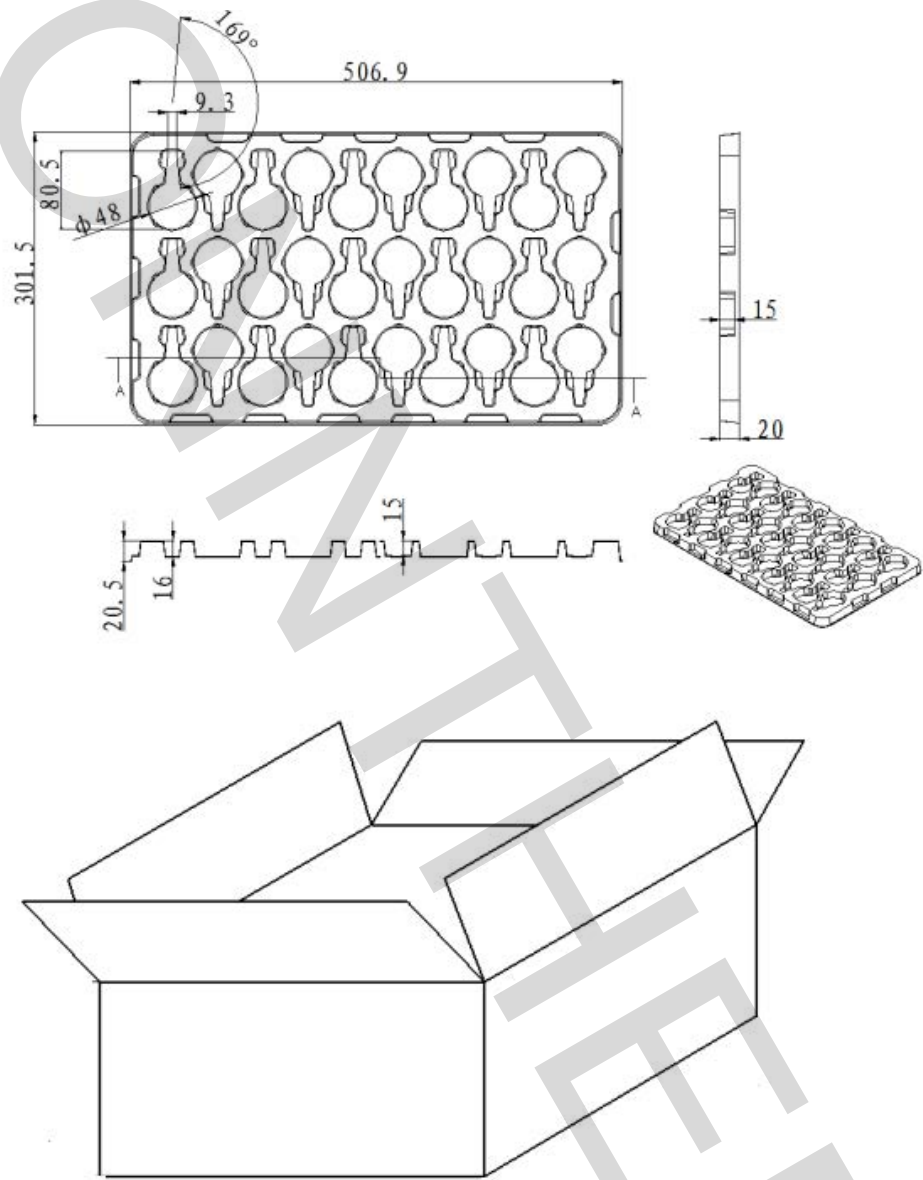
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Part number	BUZ-EPT-4810-12.0-3.0-L65	Edition	V1
Department		Page	3 / 4

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 value of current consumption should be in $\pm 10\%$ compared with initial ones. The SPL should be in $\pm 10\text{dB}$ compared with initial one.
2	High temp.	$+100 \pm 2^{\circ}\text{C}$, 96HRS	
3	Low temp.	$-40 \pm 2^{\circ}\text{C}$, 96HRS	
4	Temperature cycling	$-40 \pm 2^{\circ}\text{C}$, 30minutes room temp. 15 minutes $+100 \pm 2^{\circ}\text{C}$, 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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	Department		Page	4 / 4

PACKING:



NOTE:

1.30 PCS per box

2.Total 40 boxes per carton