



Specification For Approval

Customer Name : _____

RHT P/N: RHTCYT-22x07

Description : _____

Date : 2026-7-20

Approved by
Sign : date :
Please return by one copy

Design: Pan Checked: Andy Approved: Feng

Address:Maoshan Industrial Park, Huajiafen Village, Jiangshan Town,

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Externally driven piezo buzzer

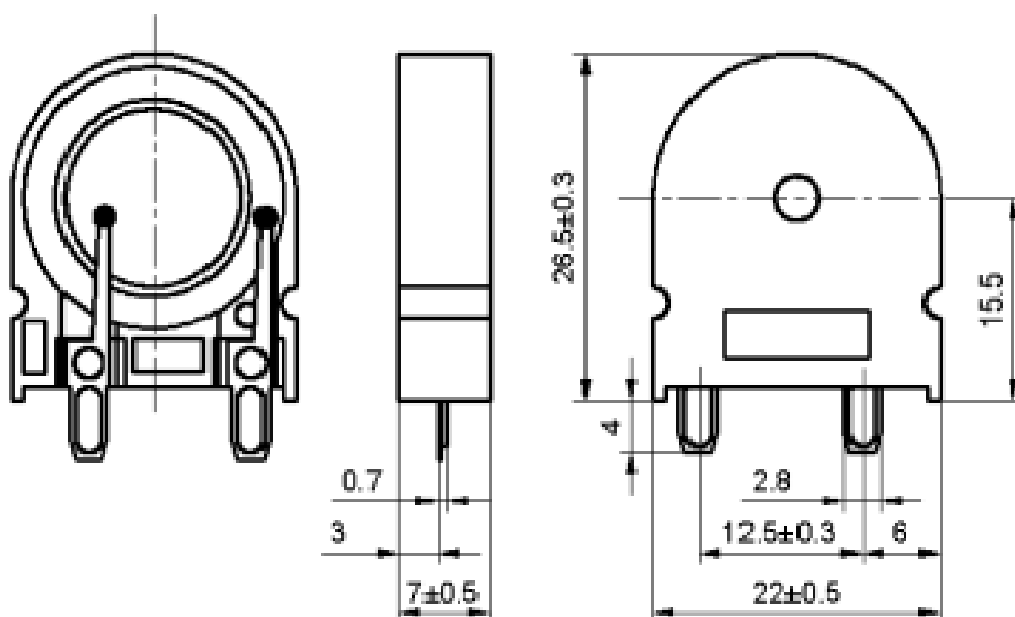
No.	Technical terms	Value
1	Rated Voltage (Vp-p)	3 (3~12Vp-p Customizable)
2	Max Input Voltage(Vp-p)	30
3	Rated Current(mA)	≤ 5
4	Capacitance at 100Hz (pF)	$20000 \pm 30\%$
5	Sound Output at 10cm(dB)	≥ 75
6	Resonance Frequency (KHz)	2.0 ± 0.5
7	Operating Temperature($^{\circ}\text{C}$)	$-20 \sim +60$
8	Storage Temperature($^{\circ}\text{C}$)	$-30 \sim +70$
9	Weight (g)	2.5
10	Housing Material	PBT
11	RoHS	Yes

*Applying rated voltage (at 2.0KHz, 1/2 duty , square wave)

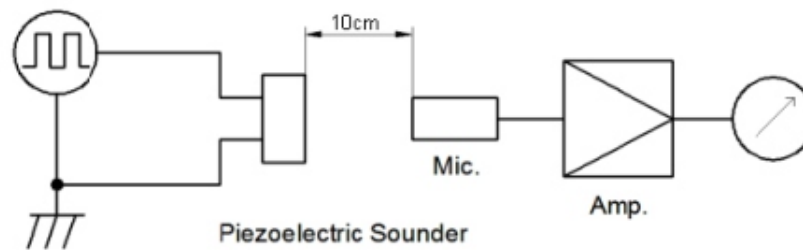
*Test Basic State: Temp($20 \pm 2^{\circ}\text{C}$),Humidity(40~70%RH),Air pressure(860~1060hPa).

DIMENSIONS (UNIT: mm)

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



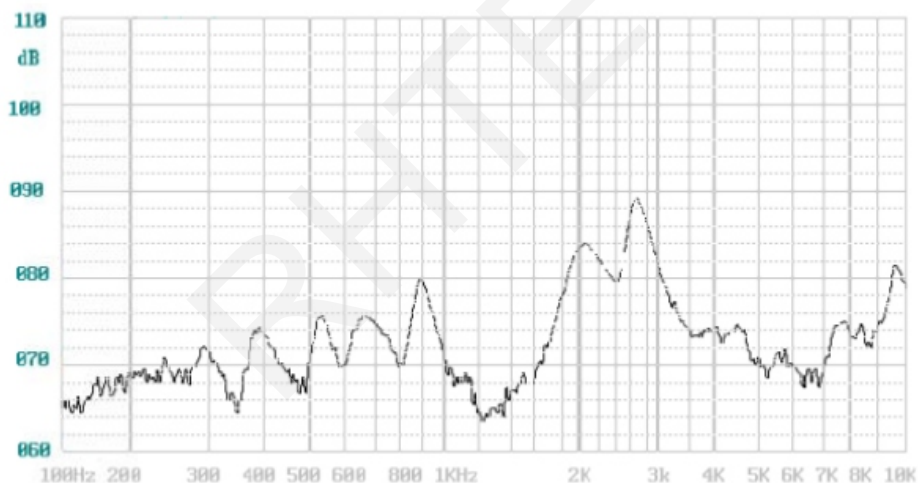
TEST METHOD:



MIC: ND10 Sound Meter or equivalent

Signal Generator: DF1641D or equivalent

FREQUENCY RESPONSE:



RELIABILITY TEST:

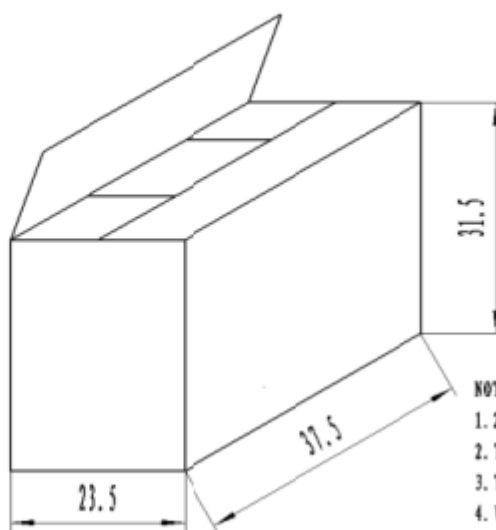
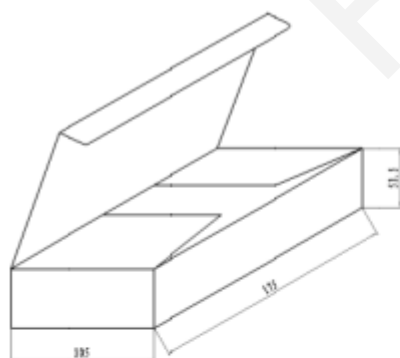
Environment test:

No.	Item	Test condition	Evaluation standard
1	High temp. test	+70±2°C, 96Hrs	After being placed for 2 to 4hrs at room temp, the product shall meet specifications,except the SPL should be in ±10dB compared with initial one.
2	Low temp. test	-30±2°C, 96Hrs	
3	Humidity test	40±2°C,93(+2/-3)%RH for 96Hrs	
4	Temp. cycle test	-30±2°C, 30minutes +20±2°C, 15 minutes +70±2°C, 30 minutes +20±2°C, 15 minutes 5 cycles	

Mechanical characteristics:

No.	Item	Test condition	Evaluation standard
1	Solder ability	Pin terminals are immersed in rosin for 5 seconds and then immersed in solder bath of $270\pm5^{\circ}\text{C}$ for $3\pm1\text{s}$.	90% min. lead terminals shall be wet with solder.(Except the edge of terminal)
2	Soldering heat resistance	Pin terminals are immersed up to 1.5mm from part's body in solder bath of $260\pm5^{\circ}\text{C}$ for $10\pm1\text{s}$.Refer to GB2423.28.	No interference in operation
3	Vibration	1.5 mm with 10 to 55Hz band of vibration frequency to each of 3 perpendicular directions for 2 hrs.	After the test part shall meet specifications, except the SPL should be in $\pm 10\text{dB}$ compared with initial one.
4	Drop test	The part only shall be dropped from the height of 70cm onto 10mm thick wooden board each 3 times in 3 axial directions(x,y&z) (a total of 9 times).	

PACKING:



NOTES:

1. 200 PCS per box
2. Total 20 boxes per carton
3. Total 4000 PCS carton
4. Volume: $37.5 \times 23.5 \times 31.5 \text{ cm}$