



Specification For Approval

Customer Name : _____

RHT P/N: _____ RHTCYT-22x08

Description : _____

Date : _____ 2026-7-20

Approved by
Sign : date :
Please return by one copy

Design: _____ Pan _____ Checked: _____ Andy _____ Approved: _____ Feng _____

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1. Externally driven piezo buzzer electrical specification:

Item	Unit	Specifications
1-1 Rated Voltage (Square Wave)	Vp-p	9 (3Vp-p~12Vp-p Customizable)
1-2 Max.Allowable Voltage	Vp-p	30
1-3 Rated Current (Max)	mA	7
1-4 Min Sound Output at 4.0kHz/10cm	dB	80
1-5 Resonant Frequency	Hz	4000±500
1-6 Capacitance at 120Hz	pF	15000±30%
1-7 Operating Temperature	°C	-40~+85
1-8 Storage Temperature	°C	-40~+105
1-9 Weight	g	2.5
1-10 Housing Material		PBT
1-11 Lead Pin Material		Phosphor Bronze (DSn)

* Value Applying at Rated Voltage (resonant frequency, 1/2 duty, square wave)

2. ENVIRONMENTAL TEST

Item	Specifications
2-1 Storage in High temp.	Storage in +85°C±2°C test box for 240 hours, then expose to the room temperature for 2 hours without applying power.
2-2 Storage in Lower temp.	Storage in -40°C±2°C test box for 240 hours, then expose to the room temperature for 2 hours without applying power.
2-3 Storage in Humidity	Storage in +40°C±2°C 90-95%RH test box for 96 hours, then expose to the room temperature for 2 hours without applying power.
2-4 Thermal cycle test.	Make this test for 5 cycles without applying power, then expose to the room temperature for 2 hours.
2-5 Vibration test	amplitude: 1.5mm me : 1min/axis Make this test for the directions of X,Y, Z for 2 hours each (total 6 hours).
2-6 Drop test	Free drop a unit from the height 100cm to the surface of 10mm thick board ,three directions(X,Y,Z).
2-7 Solderability test	Soldering temp.: 260±5°C Heat applying time: 3±0.5sec.

PASS CRITERION :

After these tests , the change of S.P.L shall be within ±5 dB .

3. MEASURING METHOD(BUZZER MODE)

3-1 .Test Condition

3-1-1.STANDARD

Temperature : $25 \pm 3^{\circ}\text{C}$ Relative

humidity : 60% ~ 70%,

Atmospheric pressure : 860mbar to 1060mbar 3-1-

2.JUDGEMENT

Temperature : $15 \sim 35^{\circ}\text{C}$

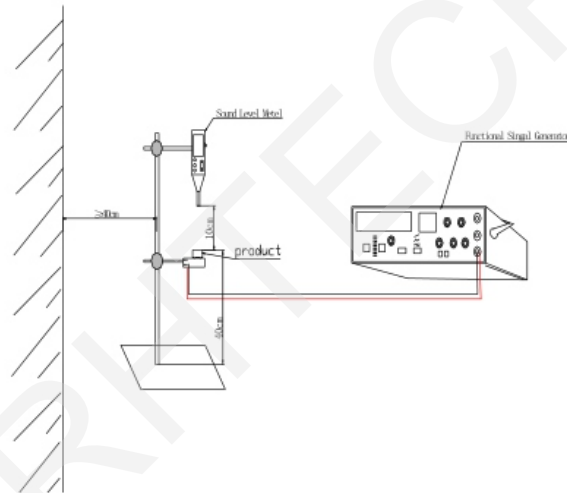
Relative humidity : 45% ~ 85%,

Atmospheric pressure : 860mbar to 1060mbar.

3-2 . Standard Test Fixture

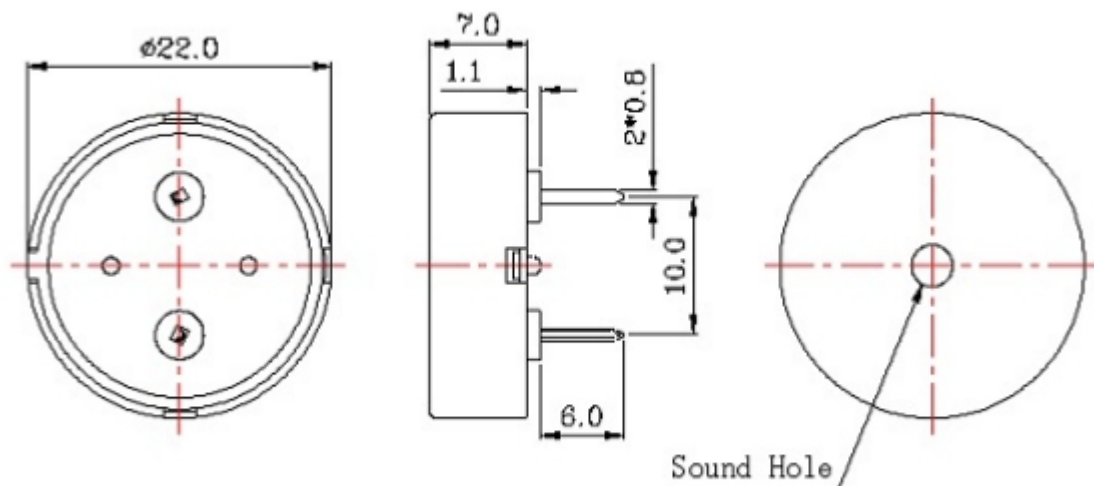
1.rated Voltage(Square wave):9V 2.Resonant

Frequency:4000Hz



4.DIMENSIONS

Unless otherwise specified,tolerance: ± 0.5 (unit:mm)



- 1) All parts must meet to ROHS.
- 2) Wave solder allowed, wash not allowed.

Part No.	Part Name	Q' TY	Material	Remark
7				
6				
5				
4	Cover	1	Black Noryl	
3	Pin	2	Phosphor Bronze (DSn)	
2	Piezo element	1	Brass	
1	Housing	1	Black Noryl	

6.PACKING

