



Specification For Approval

Customer Name : _____

RHT P/N: _____ RHTCYPT-13x2.5

Description : _____

Date : _____ 2026-7-20

Approved by
Sign : date :
Please return by one copy

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

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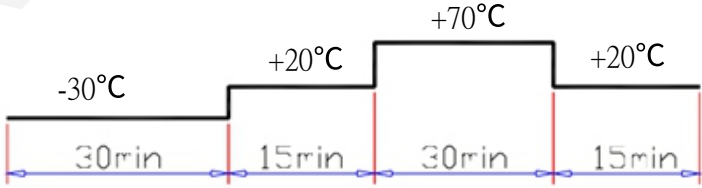
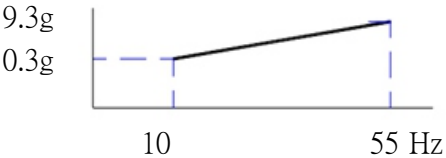


1. ELECTRICAL AND ACOUSTICAL SPECIFICATION

Item	Unit	Specifications
1-1	Rated Voltage (Square Wave)	Vp-p
1-2	Operating Voltage	Vp-p
1-3	* Rated Current (Max)	mA
1-4	* Min Sound Output at 4.8kHz/10cm	dB
1-5	* Resonant Frequency	Hz
1-6	Capacitance at 120Hz	pF
1-7	Operating Temperature	°C
1-8	Storage Temperature	°C
1-9	Weight	g
1-10	Housing Material	Black ABS
1-11	Lead Wire	UL1571 AWG30
1-12	Tone Nature	Single

* 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 +70°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 -30°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 Time: 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 : $15 \sim 35^{\circ}\text{C}$

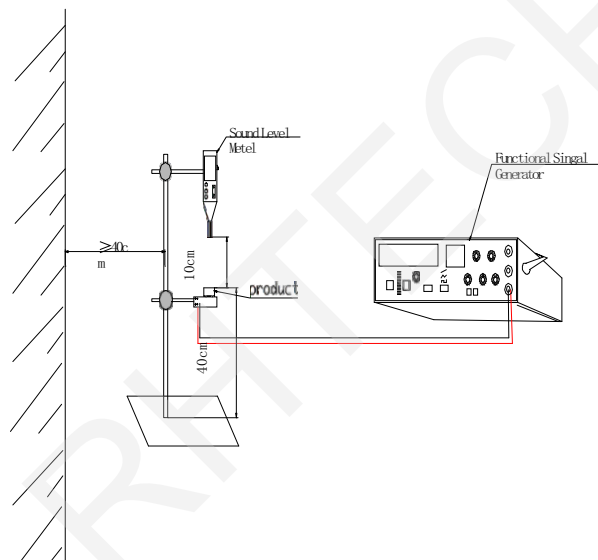
Relative humidity : 45% ~ 85%,

Atmospheric pressure : 860mbar to 1060mbar.

3-2 . Standard Test Fixture

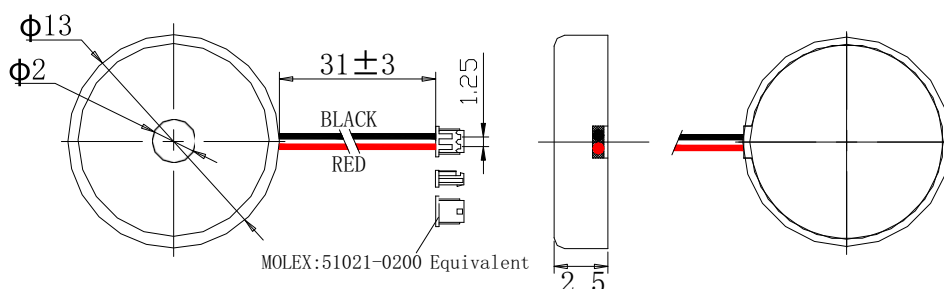
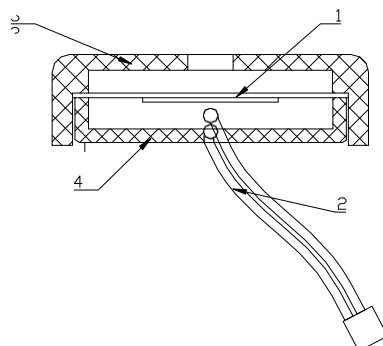
1.rated Voltage(Square wave):10V 2.Resonant

Frequency:4800Hz



4.DIMENSIONS

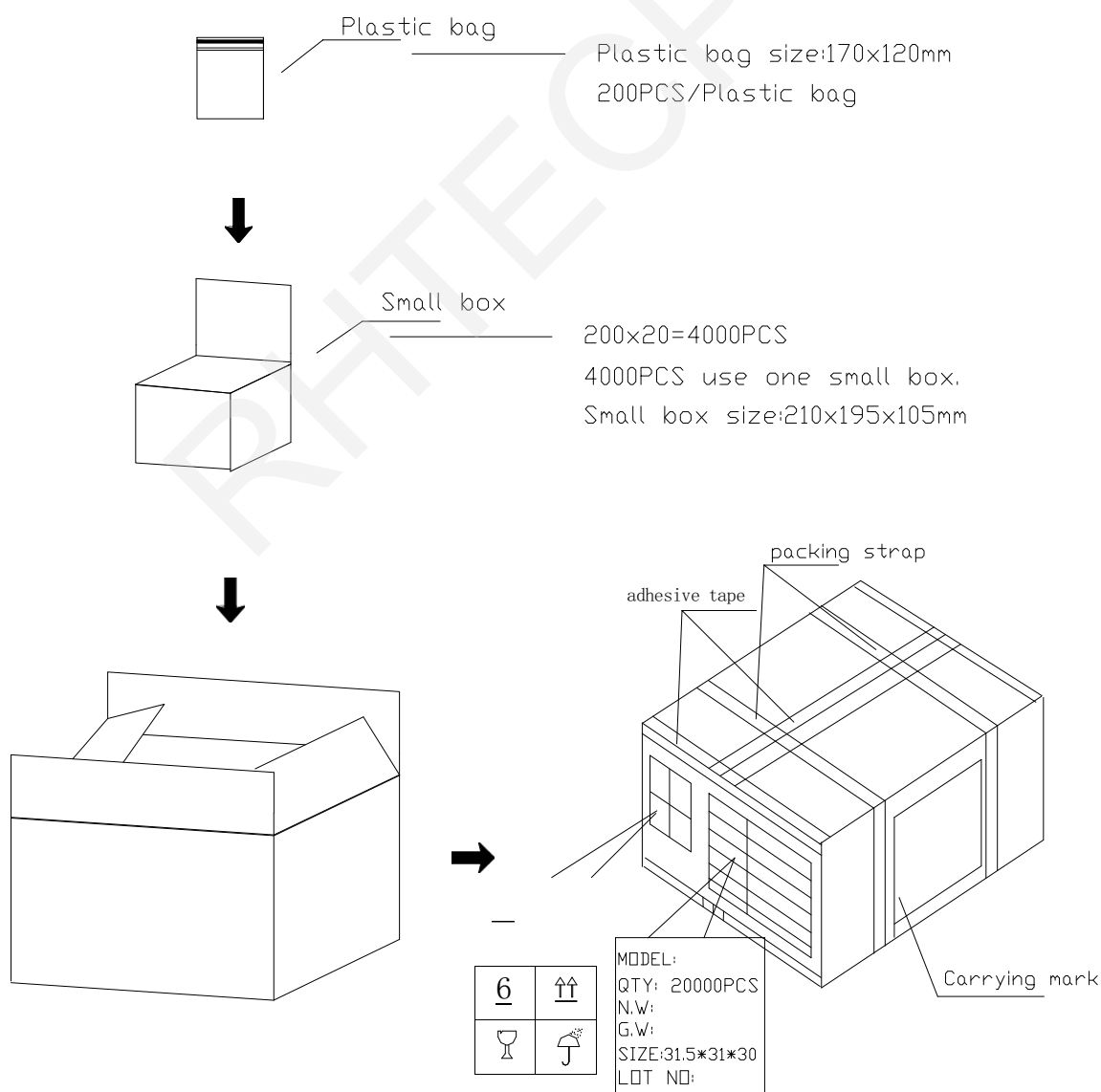
Unless otherwise specified,tolerance: ± 0.5 (unit:mm)



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

5	Double Glue	1		
4	Cover	1	Black ABS	
3	Housing	1	Black ABS	
2	Lead wire	2	Black&Red (UL1571 30#) Molex:51021-0200 Equivalent	
1	Piezo element	1	Brass	
Part No.	Part Name	Q' TY	Material	Remark

6.PACKING



box size:315x310x300mm;
4000x5=20000pcs/box