



Specification For Approval

Customer Name : _____

RHT P/N: _____ RHTCYPT-30x5.7

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 with wire Electrical Specification:

Item		Unit	Specifications
1-1	Rated Voltage (square wave))	Vp-p	10
1-2	Operating Voltage	Vp-p	1-30
1-3	* Rated Current (Max)	mA	3
1-4	* Min Sound Output at 10cm	dB	90
1-5	* Resonant Frequency	Hz	4500
1-6	Capacitance at 1KHz	pF	20000±30%
1-7	Tone Nature		Single
1-8	Operating Temperature	°C	-20~+60
1-9	Storage Temperature	°C	-30~+70
1-10	Weight	g	3.5
1-11	Housing Material	ABS(BLACK)	
1-12	Lead Wire	UL1095 AWG28 (Red & Black)	

* Value Applying at Rated Voltage(Vp-p) (resonant frequency, 1/2 duty, squarewave)

2. ENVIRONMENTAL TEST

Item		Specifications
2-1	Storage in High temp.	Storage in +70°C±2°C test box for 96 hours, then expose to the room temperature for 2 hours without applying power.
2-2	Storage in Low temp.	Storage in -30°C±2°C test box for 96 hours, then expose to the room temperature for 2 hours without applying power.
2-3	Storage in Humidity	Storage in +30°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 70cm to the surface of 10mm thick board ,three directions(X,Y,Z).

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

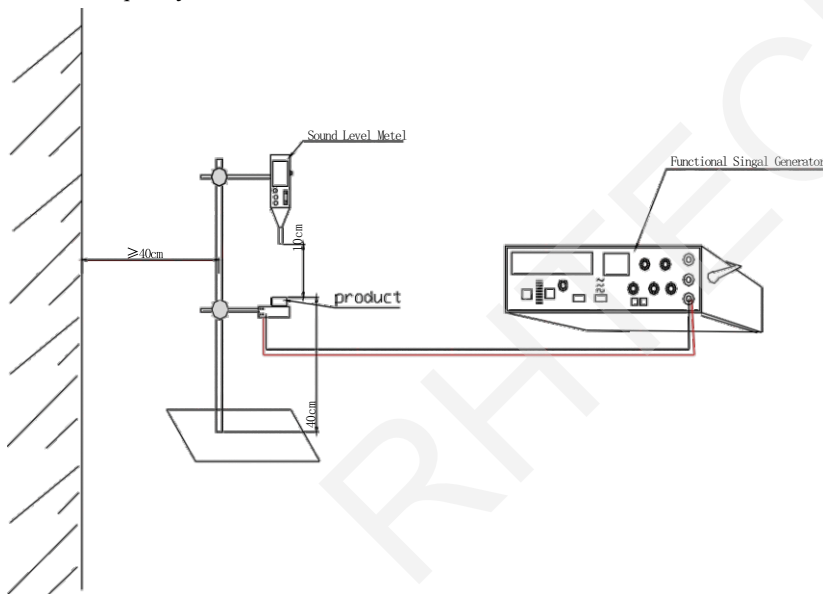
Relative humidity : 45% ~ 85%,

Atmospheric pressure : 860mbar to 1060mbar.

3-2 . Standard Test Fixture

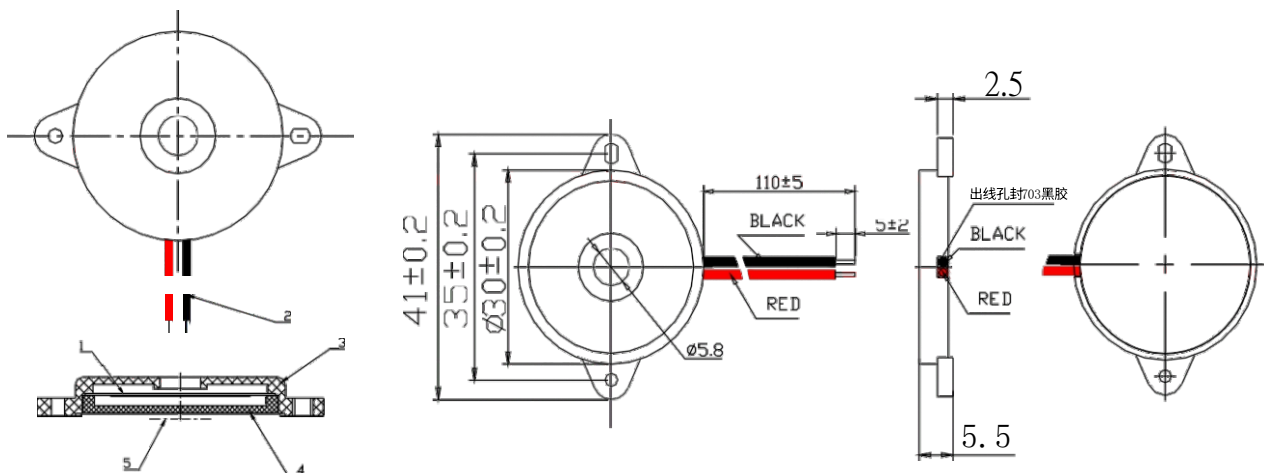
1.rated Voltage(Square wave): 10V

2.Resonant Frequency: 4500Hz



4.DIMENSIONS

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

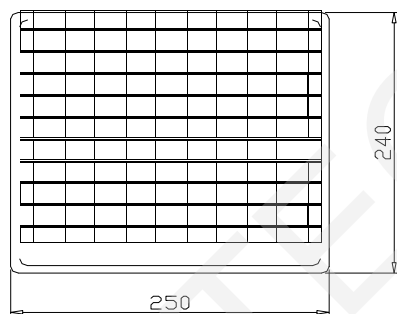


- 1) All parts must be meet to ROHS.
- 2) Wave solder and wash not allowed.

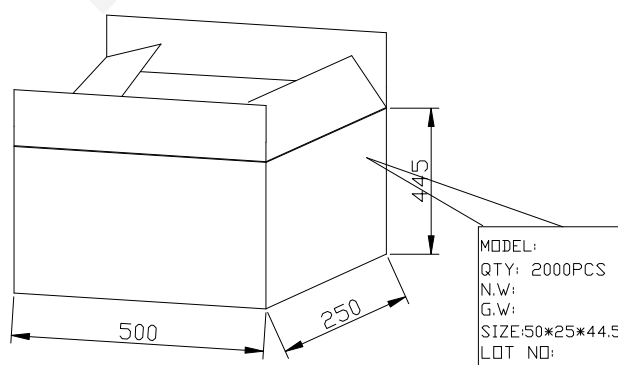


7				
6				
5				
4	Cover	1	Black ABS	
3	Housing	1	Black ABS	
2	Lead Wire	2	UL1095 AWG28(Red&Black)	
1	Piezo element	1	Brass	
Part No.	Part Name	Q' TY	Material	Remark

5.PACKING



100PCS/board



2000PCS/CTN