



Specification For Approval

Customer Name : _____

RHT P/N: _____ RHTCYB-23x19

Description : _____

Date : _____ 2026-7-21

Approved by
Sign : date :
Please return by one copy

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

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

Yinzhou District Ningbo City, Zhejiang,POSTAL:315193

Tel:086-574-56176016 M:0086-15168501684

E-mail:info@rhatecp.com Web:www.rhatecp.com www.rhtconn.com

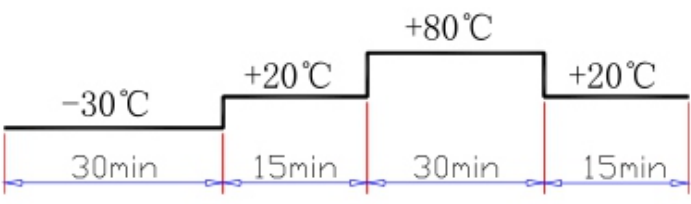
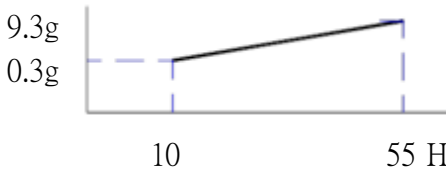
1. SCOPE

This specification applies Internally driven piezo buzzer, **RHTCYB-23x19**

Item		Unit	Specifications
1-1	Rated Voltage	VDC	12
1-2	Operating Voltage	VDC	3-24
1-3	* Rated Current (Max)	mA	15
1-4	* Min Sound Output at 30cm	dB	85
1-5	* Resonant Frequency	Hz	3300±500
1-6	Tone Nature		Constant sound
1-7	Operating Temperature	°C	-40~+85
1-8	Storage Temperature	°C	-40~+105
1-9	Weight	g	6
1-10	Housing Material		ABS (Black)
1-11	Lead Pin Material		Red Copper (DSn)

* Value Applying at Rated Voltage(DC)

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

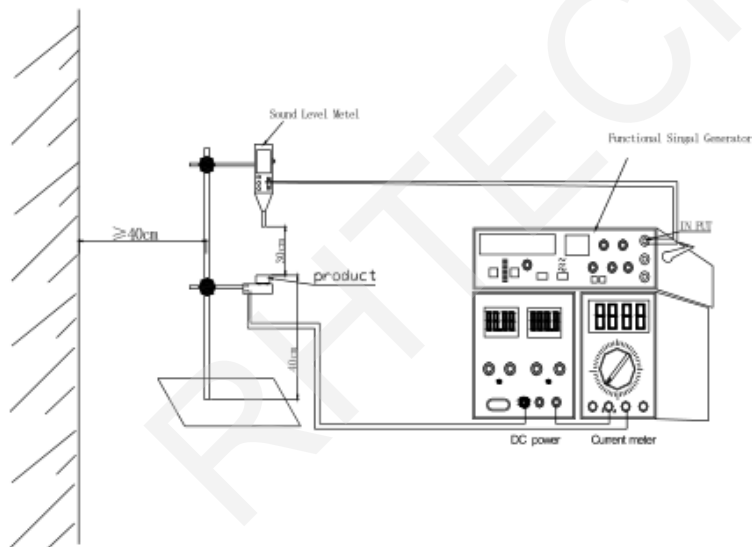
Relative humidity : 45% ~ 85%,

Atmospheric pressure : 860mbar to 1060mbar.

3-2 . Standard Test Fixture

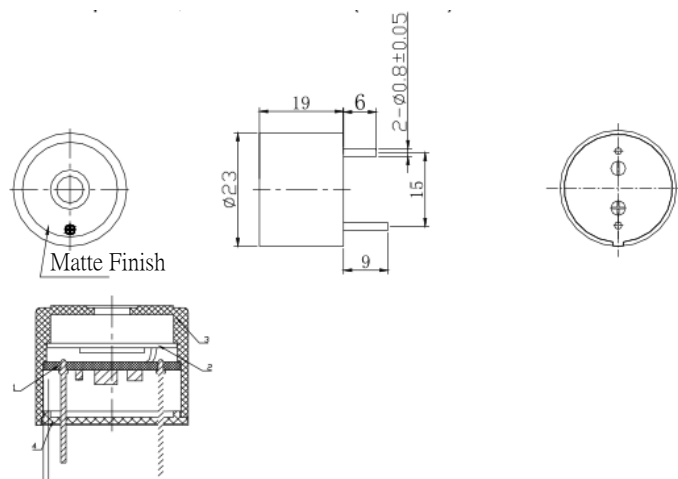
1. rated Voltage: 12V

2. Resonant Frequency: $3300\text{Hz} \pm 500$



4.DIMENSIONS

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



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

4	Cover		BLACK ABS	
3	Housing	1	BLACK ABS	
2	Piezo element	1	Brass	
1	PCB	1	Epoxy Board	
Part No.	Part Name	Q' TY	Material	Remark

5.PACKING

