NINGBO RHT ELECTRONICCO.,LTD

Specification For Approval

Customer Name : _____

RHT P/N: RHTCYPT-23x4.6

Description : _____

Date : 2026-7-20

Approved by
Sign： date：
Please return by one copy

Design: Pan Checked: Andy Approved: Feng

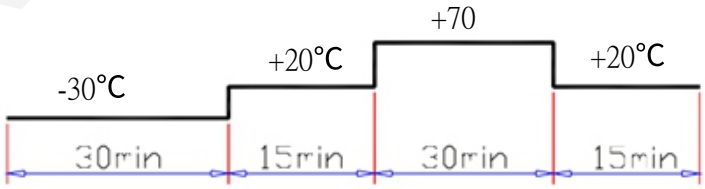
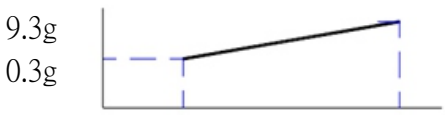
Address:Maoshan Industrial Park, Huajiafen Village, Jiangshan Town,
Yinzhou District Ningbo City, Zhejiang,POSTAL:315193
Tel:086-574-56176016 M:0086-15168501684
E-mail:info@rhtecp.com Web:www.rhtecp.com www.rhtconn.com

1. Externally driven piezo buzzer with wire Electrical Specification:

Item		Unit	Specifications
1-1	Rated Voltage (Square Wave)	Vp-p	12
1-2	Operating Voltage	Vp-p	3-30
1-3	＊Rated Current (Max)	mA	5
1-4	＊Min Sound Output at 4.0kHz/10cm	dB	80
1-5	＊Resonant Frequency	Hz	4000±500
1-6	Capacitance at 120Hz	pF	24000±30%
1-7	Operating Temperature	℃	-20~+60
1-8	Storage Temperature	℃	-30~+70
1-9	Weight	g	2
1-10	Housing Material		Black ABS
1-11	Lead Wire		UL1095 AWG28
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℃±2℃ 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℃±2℃ 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℃±2℃ 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	 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℃ Heat applying time: 3±0.5sec.

PASS CRITERION :

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

RHTECP

3. MEASURING METHOD(BUZZER MODE)

3-1 .Test Condition

3-1-1.STANDARD

Temperature : 25±3℃ Relative

humidity : 60% ~ 70%,

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

2.JUDGEMENT

Temperature : 15 ~ 35℃

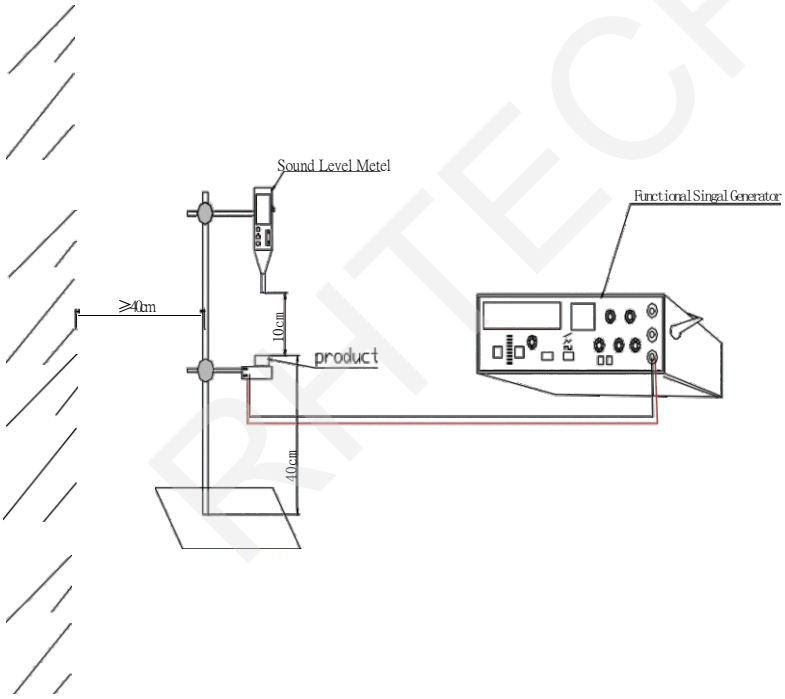
Relative humidity : 45% ~ 85%,

Atmospheric pressure : 860mbar to 1060mbar.

3-2 . Standard Test Fixture

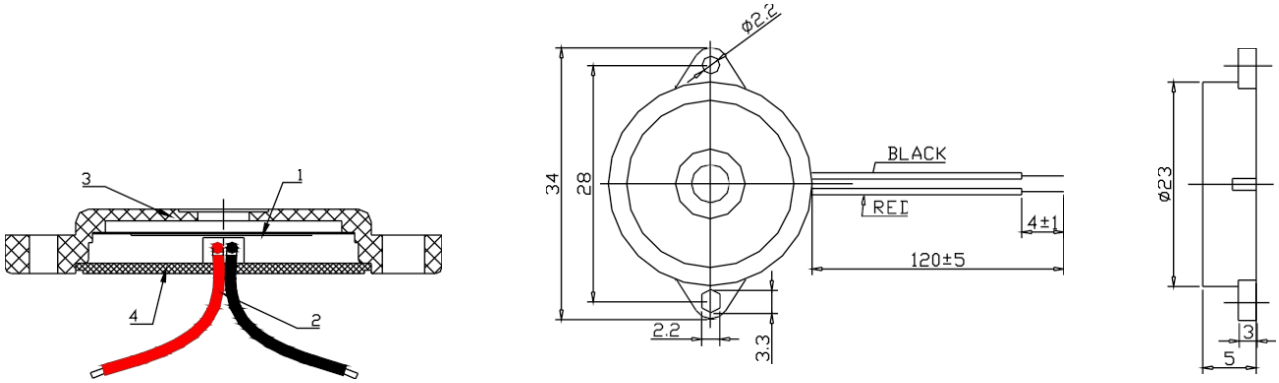
1.rated Voltage(Square wave):12V 2.Resonant

Frequency:4000Hz



4.DIMENSIONS

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

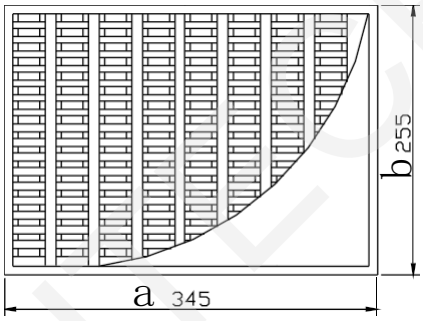


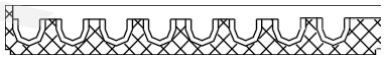
1) All parts must be meet to ROHS.

2) Wave solder and wash not allowed.

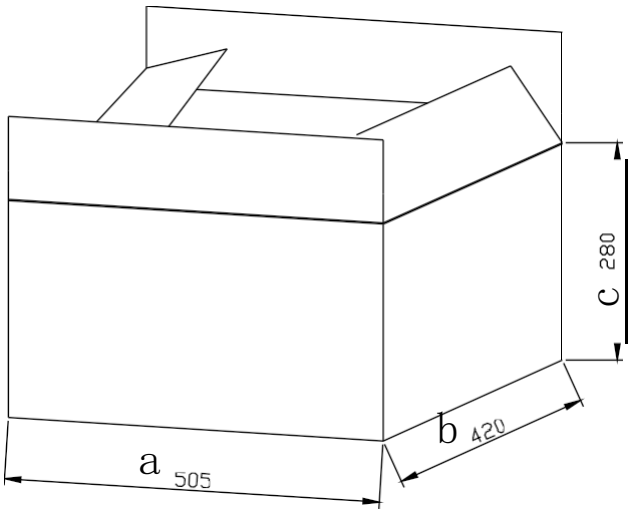
7				
6				
5				
4	Cover	1	Black ABS	
3	Housing	1	Black ABS	
2	Lead wire	2	Black&Red (UL1095 28#)	
1	Piezo element	1	Brass	
Part No.	Part Name	Q'TY	Material	Remark

5.PACKING





200PCS/box



2400PCS/CTN