



PRODUCT SPECIFICATION

Product Name: Piezo Buzzer

Part Number: MSPS30H(24v)

Document No: _____

Date: 2017.10.07

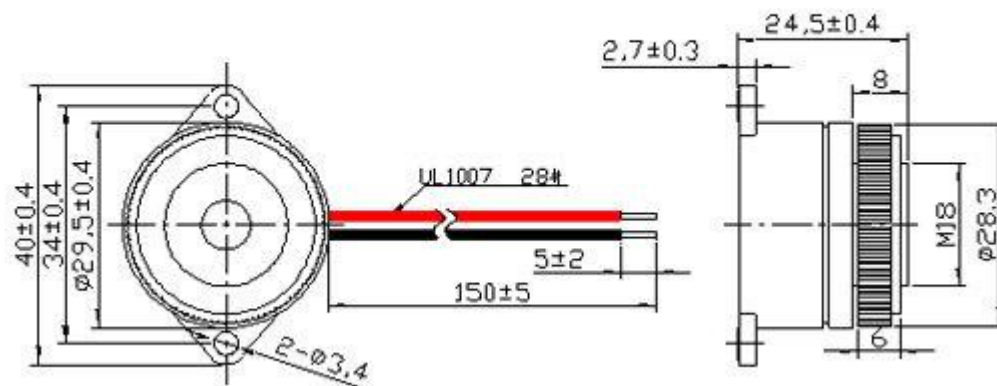
DRAWING BY	CHECKED BY	APPROVED BY
CHEN YUAN	YUE QIN	JIN LI

1.SPECIFICATION

Model No	MSPS30H
Rated Voltage	24VDC
Operating Voltage	3~28VDC
Rated Current	30mA(max)
Min.Sound Pressure Level	100dB at 30cm
Rated Frequency	3.5±0.5KHz
Operating Temperature	-20~+60°C
Storage Temperature	-30~+70°C
Tone	Slow Pluse
Weight	15g

2.APPEARANCE DRAWING

DIMENSIONS Unit:mm Tolerance:± 0.5 mm



(UNIT:MM)

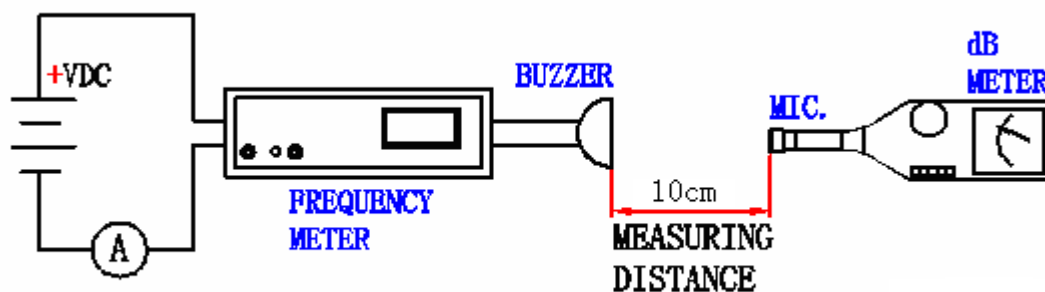
3.TESTING METHOD

Standard Measurement conditions

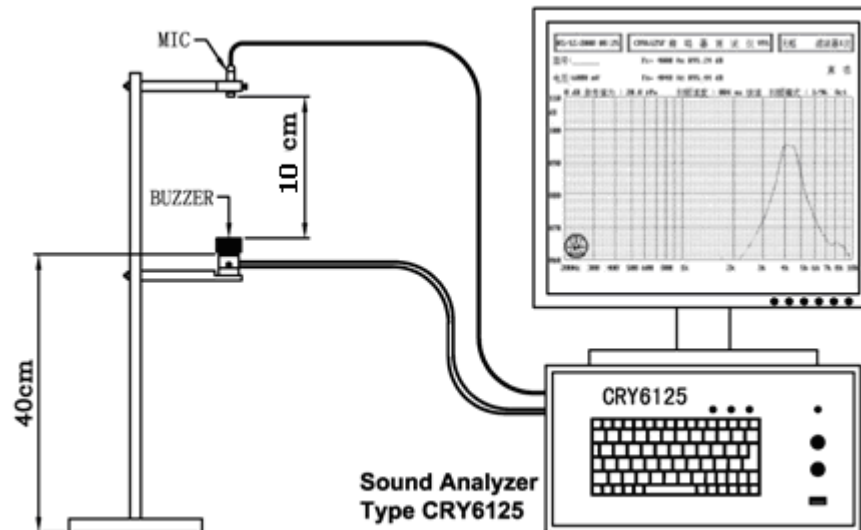
Temperature: $25 \pm 2^\circ\text{C}$ Humidity: 45-65%

Acoustic Characteristics:

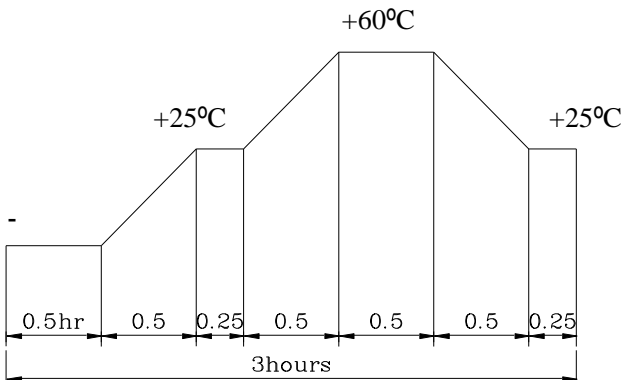
The oscillation frequency, current consumption and sound pressure are measured by the measuring instruments shown below



In the measuring test, buzzer is placed as follows:



4.RELIABILITY TEST

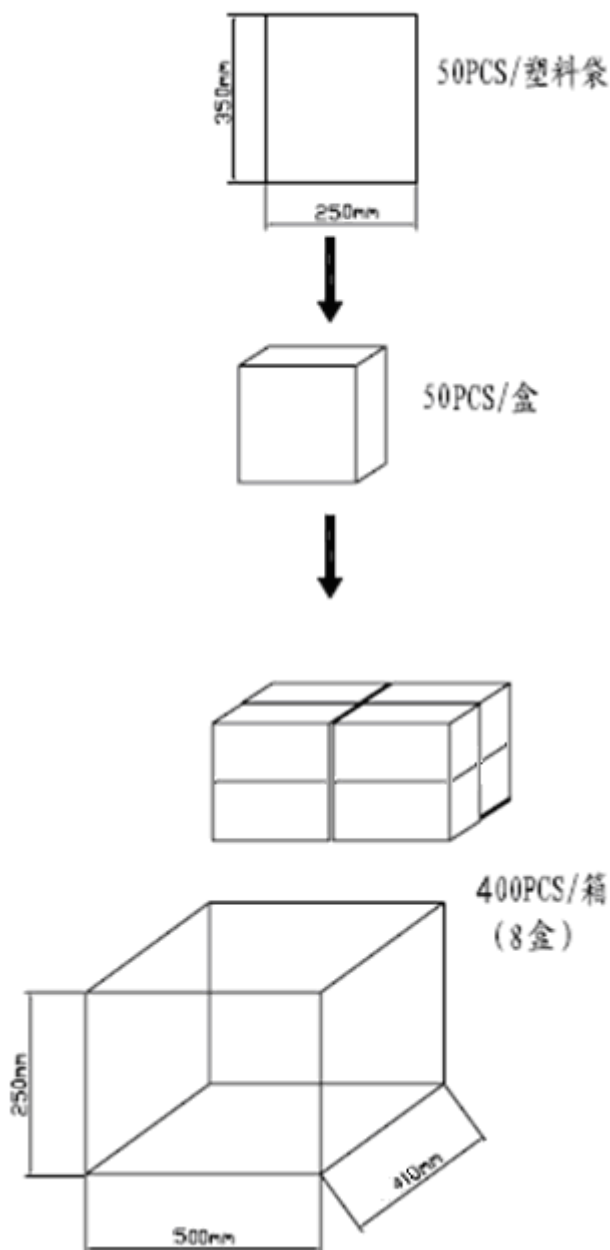
NO.	ITEM	TEST CONDITION AND REQUIREMENT
1	High Temperature Test (Storage)	After being placed in a chamber with $70\pm 2^{\circ}\text{C}$ for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: $\pm 10\text{dB}$.
2	Low Temperature Test (Storage)	After being Placed in a chamber with $-30\pm 2^{\circ}\text{C}$ for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: $\pm 10\text{dB}$.
3	Humidity Test	After being Placed in a chamber with 90-95% R.H. at $40\pm 2^{\circ}\text{C}$ for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: $\pm 10\text{dB}$.
4	Temperature Cycle Test	<p>The part shall be subjected to 5 cycles. One cycle shall be consist of:</p>  <p>Allowable variation of SPL after test: $\pm 10\text{dB}$.</p>
5	Drop Test	Drop on a hard wood board of 4cm thick, any directions ,3 times, at the height of 75cm . Allowable variation of SPL after test: $\pm 10\text{dB}$.
6	Vibration Test	After being applied vibration of amplitude of 1.5mm with 10 to 55 Hz band of vibration frequency to each of 3 perpendicular directions for 2 hours . Allowable variation of SPL after test: $\pm 10\text{dB}$.
7	Solderability Test	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of $+300\pm 5^{\circ}\text{C}$ for 3 ± 1 seconds . 90% min. lead terminals shall be wet with solder (Except the edge of terminals).

8	Terminal Strength Pulling Test	The force of 9.8N(1.0kg) is applied to each terminal in axial direction for 10 seconds. No visible damage and cutting off.
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TEST CONDITION.

Standard Test Condition : a) Temperature : +5 ~ +35°C b) Humidity : 45-85% c) Pressure : 860-1060mbar
 一般测试条件 : a) 温度 : +5 ~ +35°C b) 湿度 : 45-85% c) 气压 : 860-1060mbar
 Judgment Test Condition : a) Temperature : +25 ± 2°C b) Humidity : 60-70% c) Pressure : 860-1060mbar
 争议时测试条件 : a) 温度 : +25 ± 2°C b) 湿度 : 60-70% c) 气压 : 860-1060mbar

5.PACKING STANDARD



Remark:
 50pcs per bag
 1 trays for unit, 8units per carton
 Total:400 pcs per box
 Size:50*41*25cm