

DESCRIPTION: Piezo Buzzer

MODEL: MSPS30H35W150V24CT

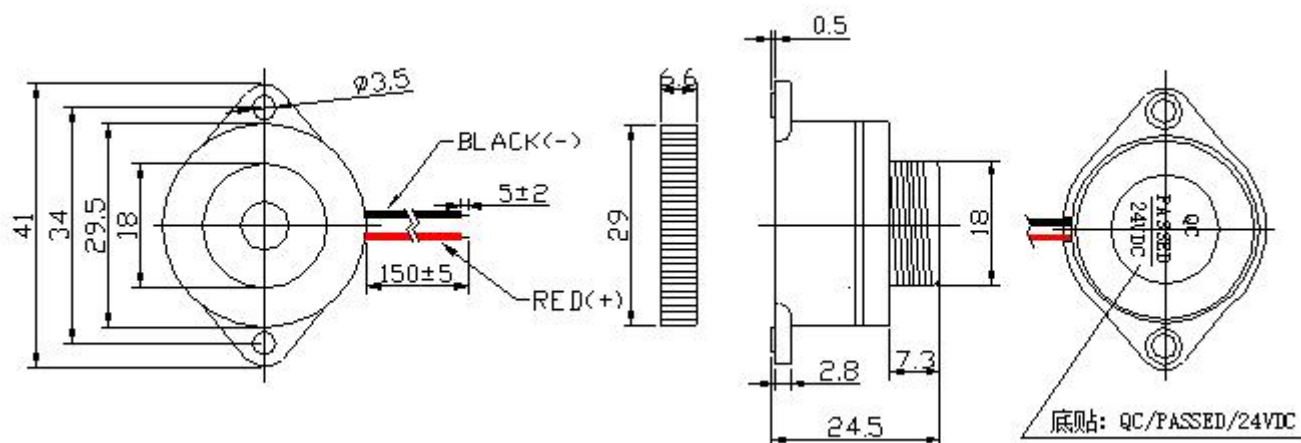
SPECIFICATIONS

Item	Value
Rated Voltage	24VDC
Operating Voltage	1.5-28VDC
* Rated Current (Max)	20mA
* Min Sound Output at 30cm	95dB
* Resonant Frequency	3500±500Hz
Tone Nature	Single
Operating Temperature	-20~+60℃
Storage Temperature	-30~+70℃
Weight	15g
Housing Material	ABS
Lead Wire	UL1007 AWG26 (Red & Black)

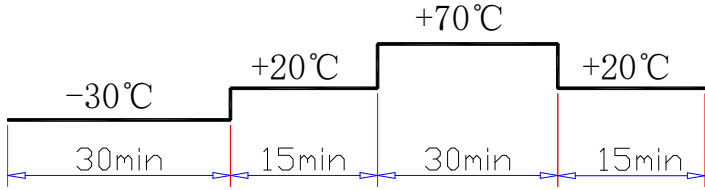
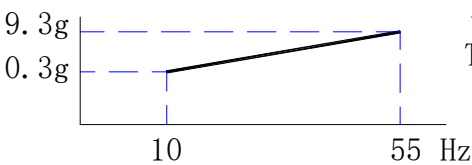
* Value Applying at Rated Voltage(DC)

MECHANICAL DRAWING

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



ENVIRONMENTAL TEST

No.	Item	Specifications
1	Storage in High temp.	Storage in $+70^{\circ}\text{C}\pm 2^{\circ}\text{C}$ test box for 96 hours, then expose to the room temperature for 2 hours without applying power.
2	Storage in Low temp.	Storage in $-30^{\circ}\text{C}\pm 2^{\circ}\text{C}$ test box for 96 hours, then expose to the room temperature for 2 hours without applying power.
3	Storage in Humidity	Storage in $+40^{\circ}\text{C}\pm 2^{\circ}\text{C}$ 90-95%RH test box for 96 hours, then expose to the room temperature for 2 hours without applying power.
4	Thermal cycle test.	 Make this test for 5 cycles without applying power, then expose to the room temperature for 2 hours.
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).
6	Drop test	Free drop a unit from the height 100cm to the surface of 10mm thick board, three directions (X, Y, Z).
7	Solderability test	Soldering temp.: $260\pm 5^{\circ}\text{C}$ Heat applying time: $3\pm 0.5\text{sec}$.
PASS CRITERION : After these tests, the change of S.P.L shall be within $\pm 5\text{ dB}$.		

MEASURING METHOD(BUZZER MODE)

Test Condition

STANDARD

Temperature : $25\pm 3^{\circ}\text{C}$

Relative humidity : 60% ~ 70%,

Atmospheric pressure : 860mbar to 1060mbar

JUDGEMENT

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

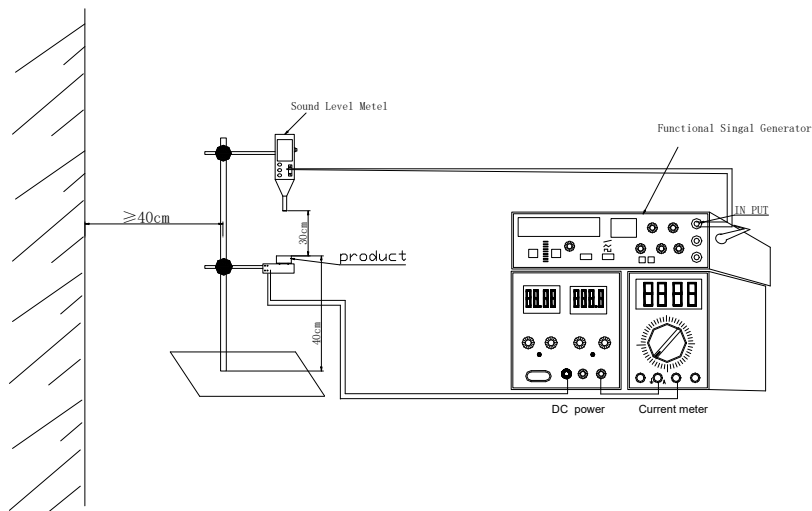
Relative humidity : 45% ~ 85%,

Atmospheric pressure : 860mbar to 1060mbar.

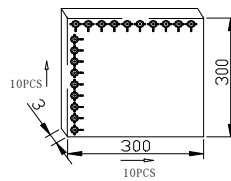
Standard Test Fixture

Rated Voltage: 24VDC

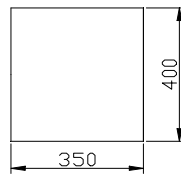
Resonant Frequency: 3500Hz $\pm$ 500



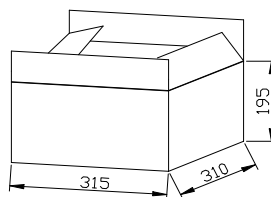
PACKING



$$10 \times 10 \text{ PCS} = 100 \text{ PCS/board}$$



1board/bag



5bag (500pcs) /CTN