

SPECIFICATION

FOR APPROVAL



Customer : _____

Description : _____ Siren

Universal Model No. : _____ UCS54A3-24-02

Customer's Model No. : _____

ISSUE	CHECK	APPROVAL	CUSTOMER
ZhuYu 20.04.09	ShiCong 20.04.09	WangXueWen 20.04.09	

CHANGES				
NO.	Date	ECN.NO	Edition	Description
1	20.04.09	200409	A0	初稿



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1. ELECTRICAL AND ACOUSTICAL SPECIFICATION

TYPE	UCS54A3-24-02
Operation Voltage	24V DC (Nominal), 10V DC (Min) –28V DC (Max.)
Operation Current (at 24V DC)	150mA (Nominal.)
S.P.L. (at 100 cm)	95dB (at 24V DC)
Operation Frequency	1.5 KHz - 3.5 KHz
* Tone Nature	Sweep 3.3
Operation Temperature	-20℃ Min. to + 70℃ Max.
Storage Temperature	-30℃ Min. to + 80℃ Max.
Housing Material (A.B.S.)	ABS (Black)
Length of Cord (24AWG)	45 ± 2 Cm. (UL2468 AWG24 并线)
Weight	62g

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2.ENVIRONMENTAL TEST

	Item	Specifications
2-1	Storage in High temp.	Storage in $+80^{\circ}\text{C} \pm 2^{\circ}\text{C}$ test box for 96 hours, then expose to the room temperature for 2 hours without applying power.
2-2	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.
2-3	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.
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 30cm 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 .

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

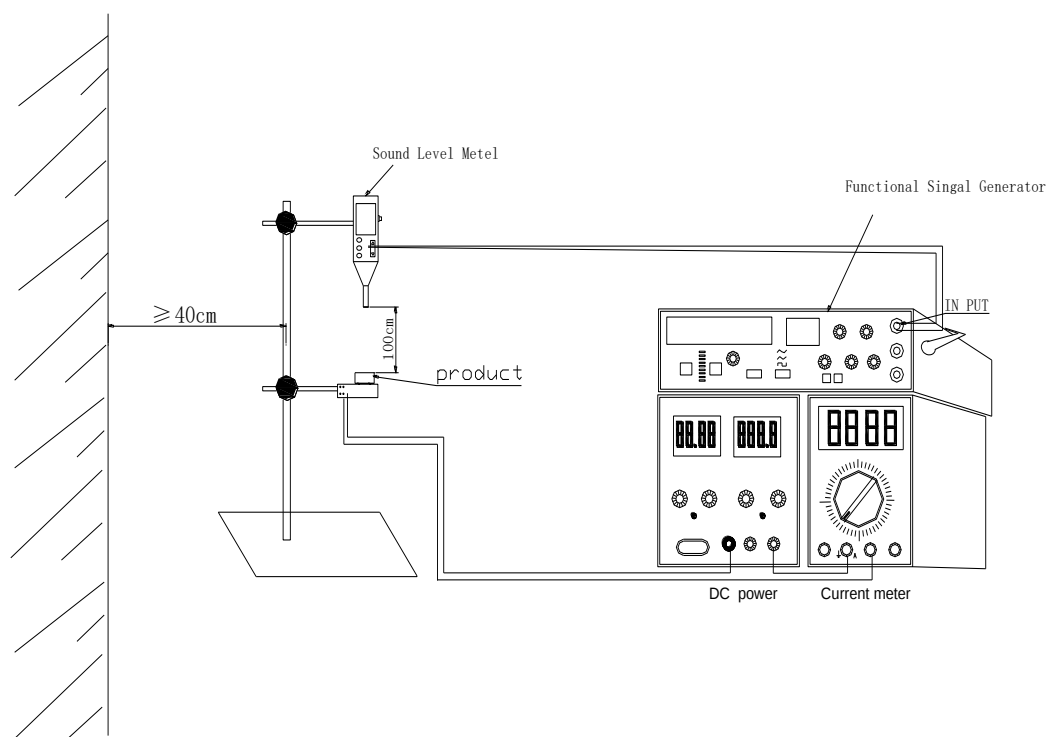
Relative humidity : 45% ~ 85%,

Atmospheric pressure : 860mbar to 1060mbar.

3-2 . Standard Test Fixture

1.rated Voltage: 24VDC

2.Resonant Frequency: 1500-3500Hz



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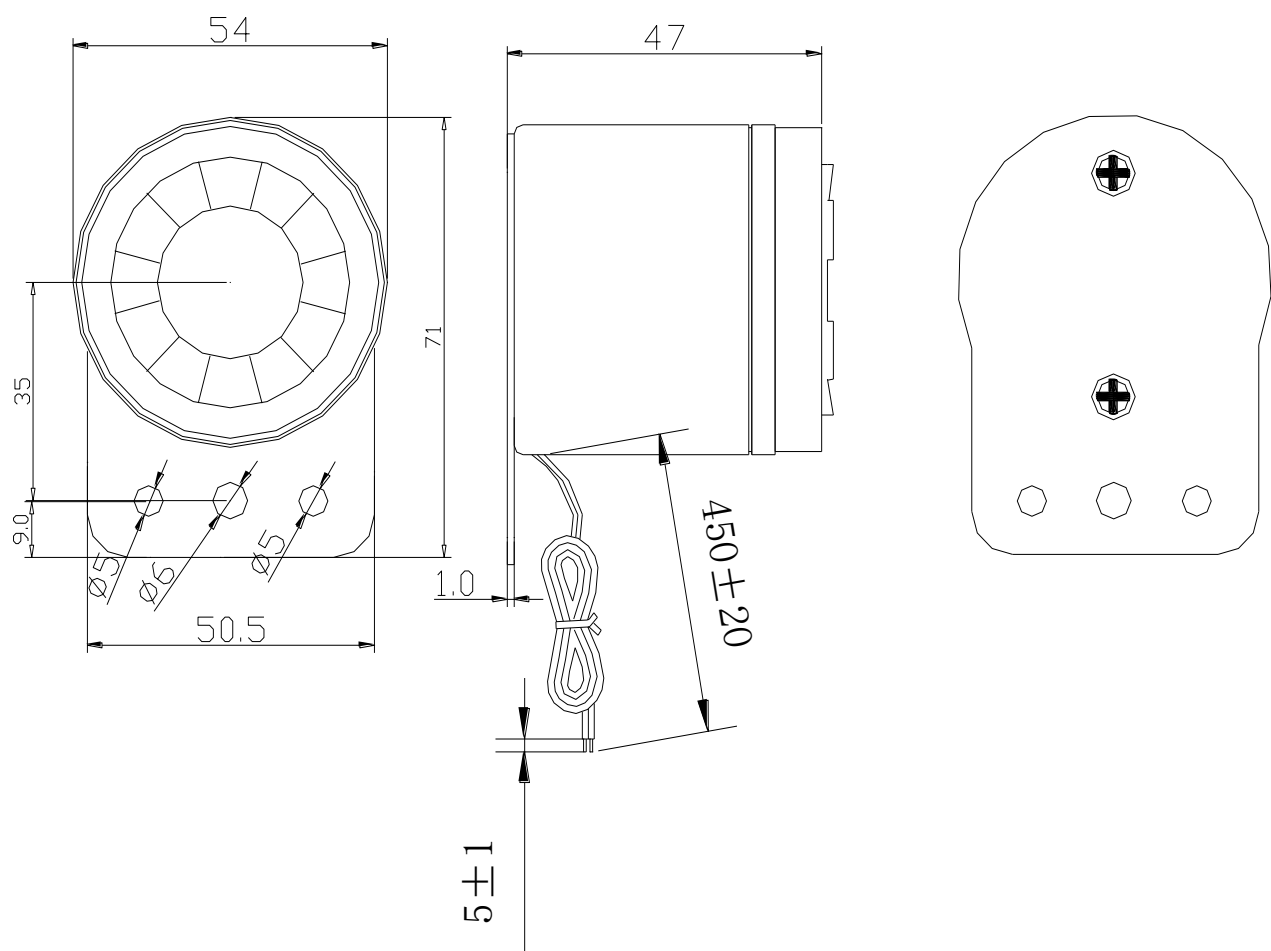
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4.DIMENSIONS

Unless otherwise specified,tolerance: ± 3 (unit:mm)



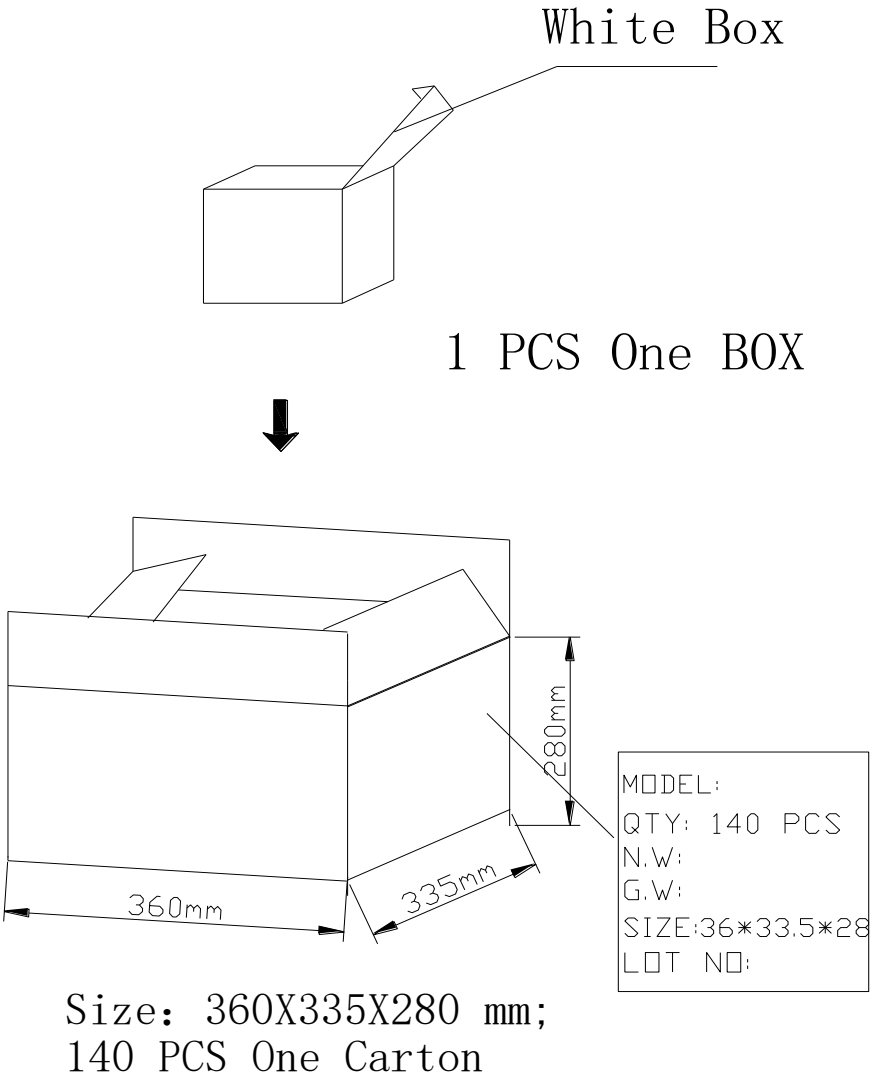
- 1) All parts must be meet to ROHS.
- 2) Wave solder and wash not allowed.

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5.PACKING



		19.03.26	ZhuYu	ShiCong	WangXueWen
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