

# SPECIFICATION

受 控

Customer :

Applied To :

Product Name : Horn Speaker

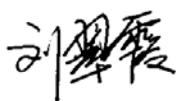
Model Name : SH-G107R8-L340-7712

Drawing No. : KFC7712

Signature of Appronal

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Signature of KEPO

Approved by	Checkde by	Issued by	Date
			

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## 1. Scope

This specification is applied to the Siren used for sounder in alarm systems. Please contact us when using this product for any other applications than described in the above.

## 2. General

- 2.1 Out-Diameter : 105 mm
- 2.2 Height : 105 mm
- 2.3 Length : 72.5 mm
- 2.4 Weight : 920 g  $\pm$ 10g
- 2.5 Operating Temperature range:  
-20~+55 °C without loss of function
- 2.6 Store Temperature range:  
-25 ~+60 °C without loss of function

## 3. Electrical and Acoustic Characteristics.

Test condition : 15 ~ 35 °C, 25% ~ 85% RH, 860~1060 mbar

No	Items	Specification
1	Impedance	8 $\Omega$ $\pm$ 15%
2	Sound Pressure Level	$\geq$ 103 dB at 1 W /1M at 1.32KHZ
3	Resonance Frequency	1320 Hz $\pm$ 20%
4	Frequency Range	FO ~4KHz
5	Input Power	Rated 35 W / Max. 40 W
6	Magnet size	90*45*13 mm(Dia.* dia.*H)
7	Buzz and Rattle	Should not be audible buzzes,rattles when the 2.83V sine wave signal swept at frequency range.
8	Polarity	When supplied plus D.C. voltage to (+) Left line, the diaphragm must move to forward. At face on the pronunciation,the terminal toward the testers.
9	Case Material/Color	ABS/BLACK

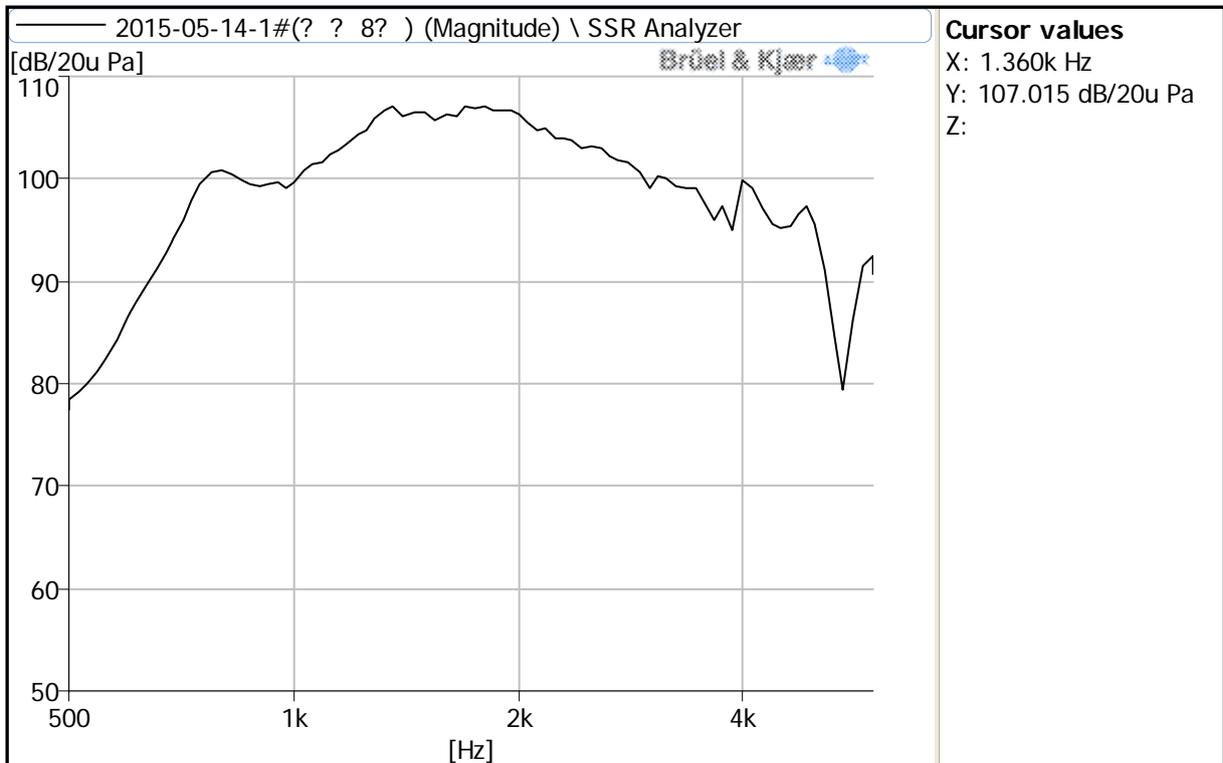
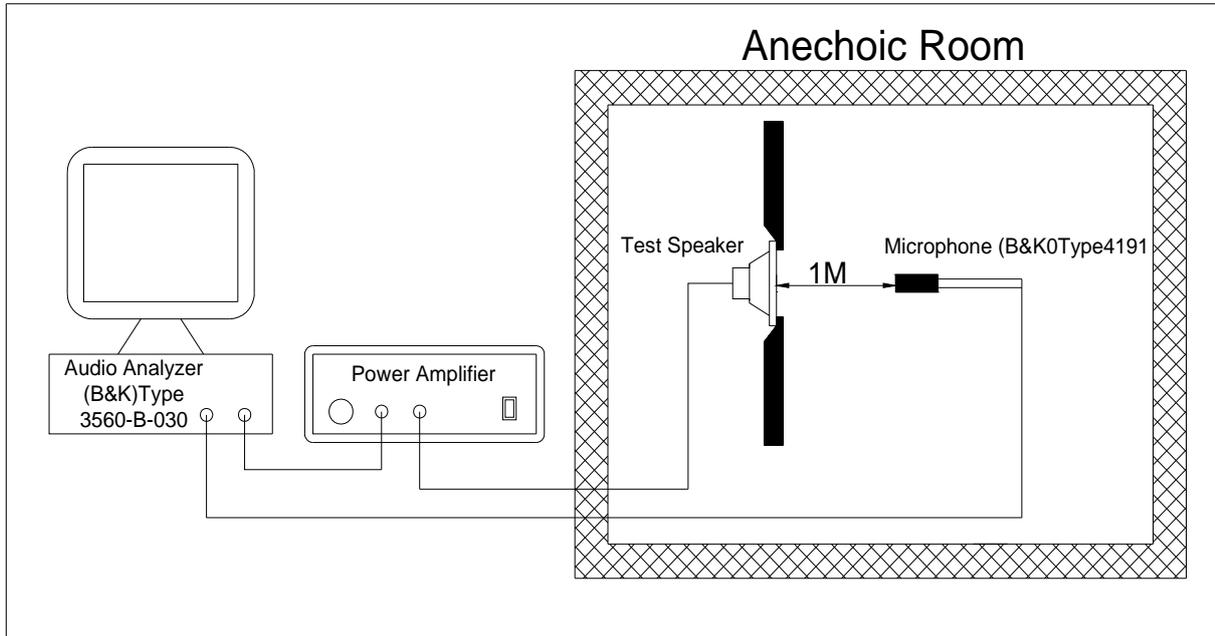
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#### 4. Reliability Test

After test(1~6item), the Electronic Siren S.P.L . difference shall be within  $\pm 10$ dB, and the appearance not exist any change to be harmful to normal operation(e.g.cracks,rusts,damages and especially distortion).

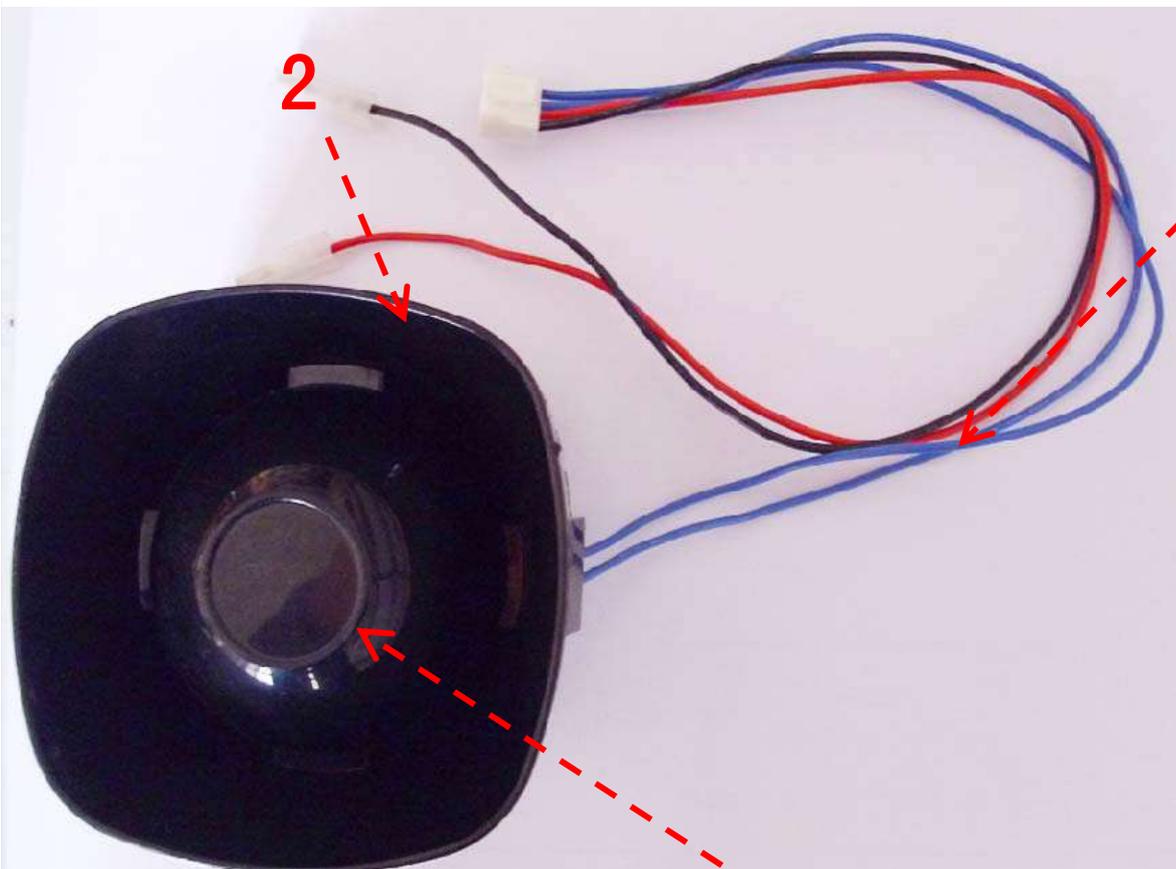
No	Items	Specification
1	High Temperature Test	After being worked in a chamber with $+60\pm 2$ °C for 2h and then being placed in natural condition for 2h, sounder shall be measured.
2	Low Temperature Test	First being worked in a chamber with $-25\pm 2$ °C for 2h and then being placed in a chamber with $-25\pm 2$ °C for 16h, finally being placed in natural condition for 2h, sounder shall be measured.
3	Humidity Test	After being placed in a chamber with 90 to 95%R.H. at $+40\pm 2$ °C for 2 h and then being placed in natural condition for 2h , sounder shall be measured.
4	Shock Test	Under acceleration of peak $100\text{m/s}^2$ (10g) & half sine wave pulse (pulse time is 16ms)condition.run into product 1000 times continuously.
5	Vibration Test	Horn shall be measured after being applied vibration of amplitude of 1.5mm with 10to 30Hz band of vibration frequency to each of 3 perpendicular directions for 2 hour.
6	Drop Test	Horn packed in the carton are dropped in six direction from the height of 50cm to the concrete floor.

### 5. Measurement Block Diagram & Response curve



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## 6. Structure



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No.	Part Name	Q'ty	Material	Remarks
3	Feed back cover	1	ABS/BLACK	
2	Housing material/color	1	ABS/BLACK	
1	Wire	1	AWG18# UL1007 Red/Black Blue/Blu	

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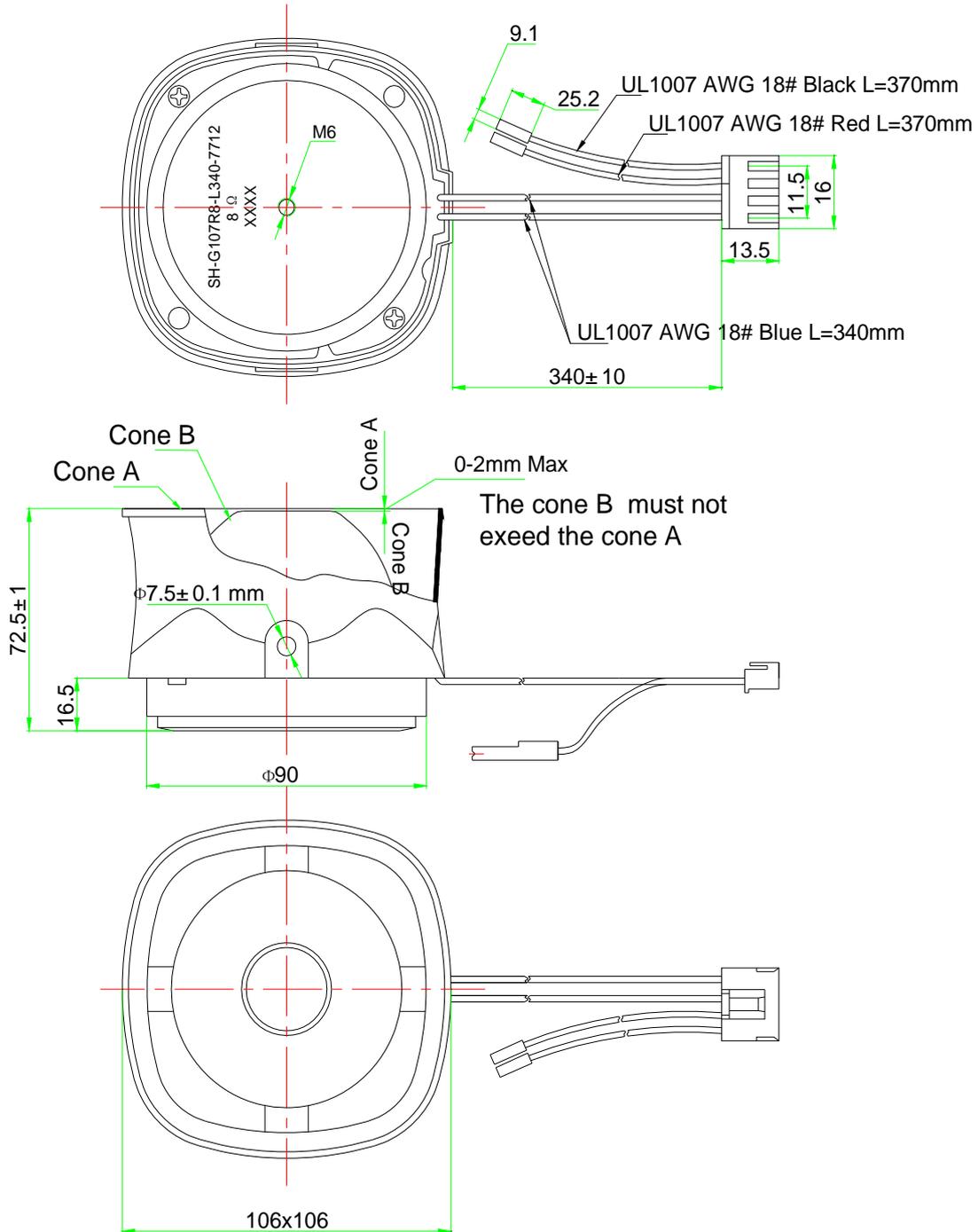
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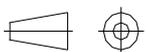
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## 7. Dimensions



The cone B must not exceed the cone A

FIRST ANGLE PROJECTION



备注：根据客户要求进行丝印。  
使用标准螺丝为M6X12

UNIT : mm

Tolerance :  $\pm 0.5$

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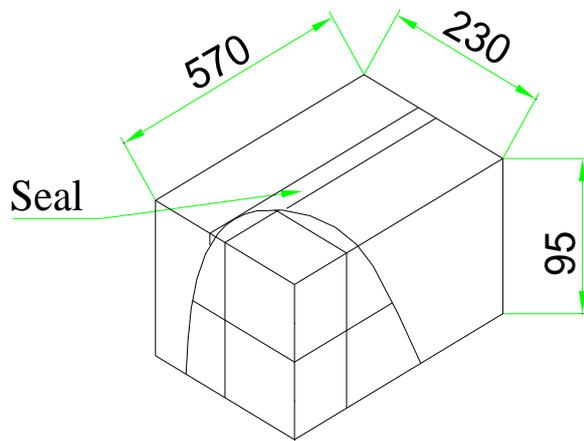
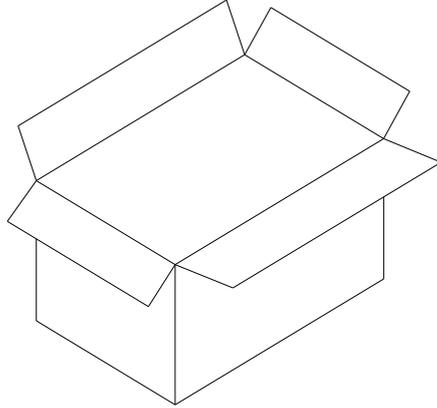
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## 8. Packing



QTY: 10Pcs

570x230 x100 mm

