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		Revision No.	1.0
Model No. :	KT-DD04-L210-2835	Drawing No.	KFC2835

## 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 : 80.5 mm  
 2.2 Height : 54 mm  
 2.3 Length : 105 mm  
 2.4 Weight : 450 g ±10g  
 2.5 Operating Temperature range:  
       -20 ~+60 °C without loss of function  
 2.6 Store Temperature range:  
       -20 ~60 °C without loss of function

## 3. Electrical and Acoustic Characteristics.

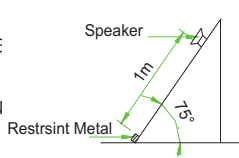
Test condition : 15 ~ 35 °C, 25% ~ 85% RH, 860~1060 mbar

No	Items	Specification
1	Impedance	16 Ω ± 20%
2	Sound Pressure Level	≥ 102 dB at 1W 1M 1.5k-3.8 kHz avg B&K
3	Resonance Frequency	1500 Hz ± 20%
4	Frequency Range	500 ~4KHz
5	Input Power	Rated 15 W / Max. 20 W
6	Magnet size	Φ70*32*10 mm(Dia.*dia.*H)
7	Buzz and Rattle	Should not be audible buzzes,rattles when the 10 V sine wave signal swept at frequency range."
8	Polarity	When supplied plus D.C. voltage to (+) terminal, the cone diaphragm must move to forward.
9	Case Material/Color	ABS/Black

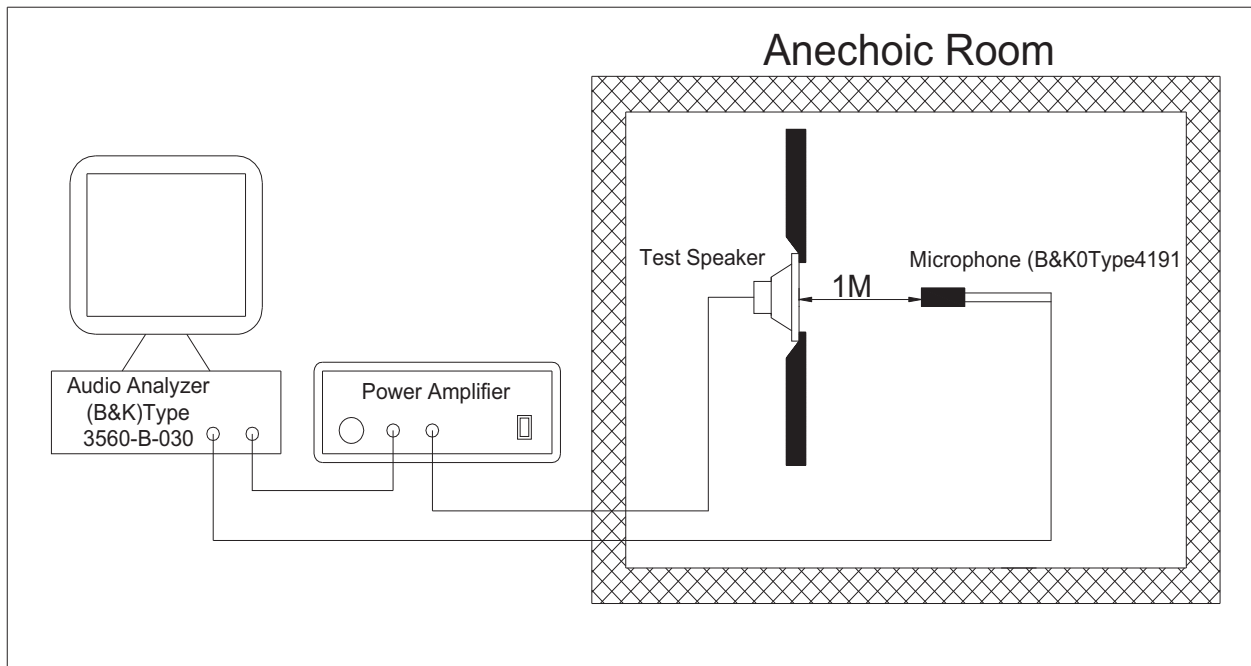
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#### 4. Reliability Test

After test(1~6item), the Electronic Siren S.P.L . difference shall be within  $\pm 10\text{dB}$ , 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 woked in a chamber with $+60\pm 2\text{ }^\circ\text{C}$ 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 $-20\pm 2\text{ }^\circ\text{C}$ for 2h and then being placed in a chamber with $-20\pm 2\text{ }^\circ\text{C}$ 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 $+40\pm 2\text{ }^\circ\text{C}$ for 2 h and then being placed in natural condition for 2h , sounder shall be measured.
4	Shock Test	Under acceleration of peak $100\text{m/s}^2(10\text{g})$ & 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	<p>A speaker is dropped from 1m in length on <math>75^\circ</math> inclination and a magnetic circuit of speaker is hitte to the restraint metal.</p> <p>After the test, magnetic circuit should not drop ou and speakr should be measured.</p> 
7	Load test	After being applied loading white noise with input power 16W(15.49Vrms.) for 48 hours, then placed in natural condition for 1 hour, speaker shall be measured.

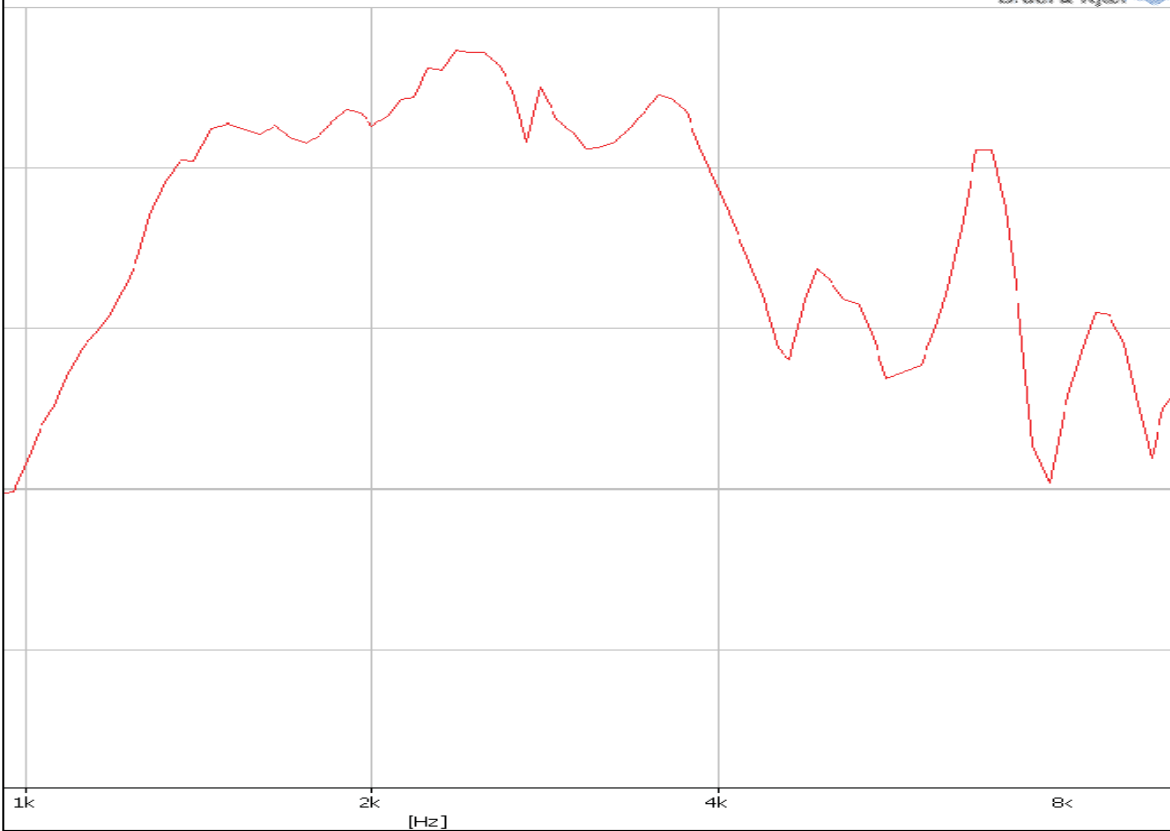
### 5. Measurement Block Diagram & Response curve



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Brüel & Kjær

Cursor val  
X: 1.450k Hz  
Y: 102.451



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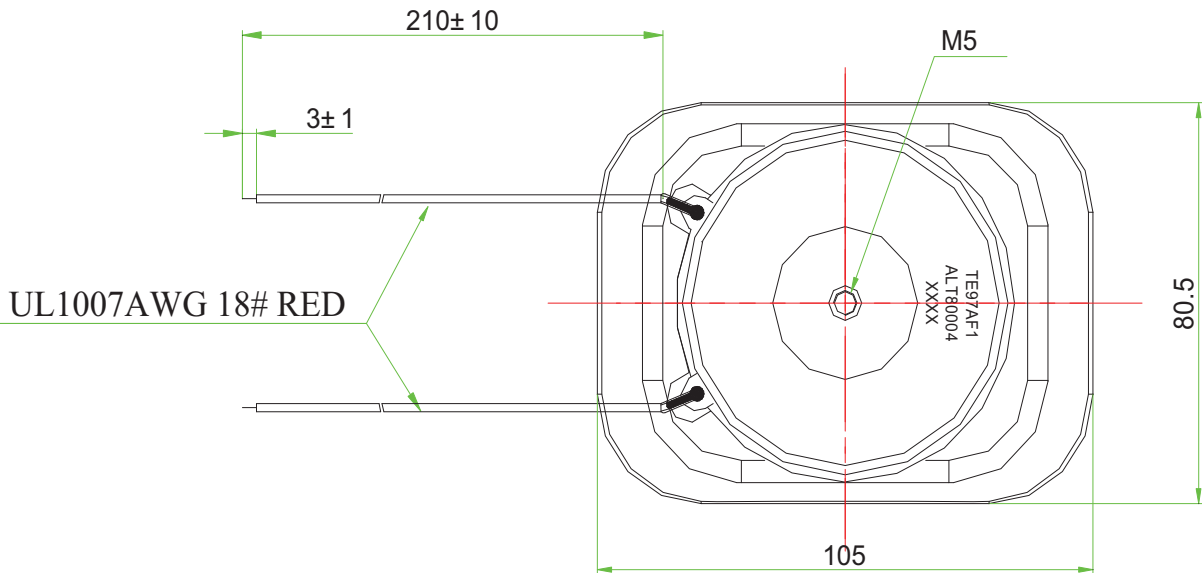
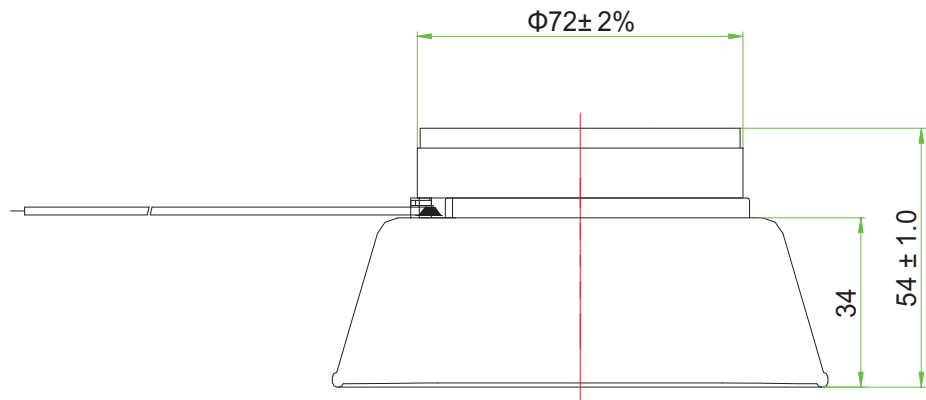
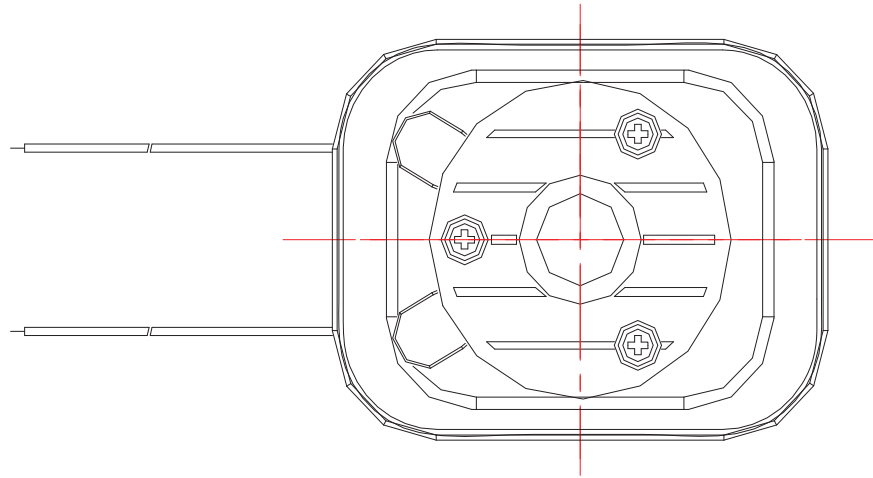
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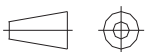
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## 6. Dimensions



FIRST ANGLE PROJECTION



备注：根据客户要求进行丝印。

UNIT : mm

Tolerance :  $\pm 0.5$

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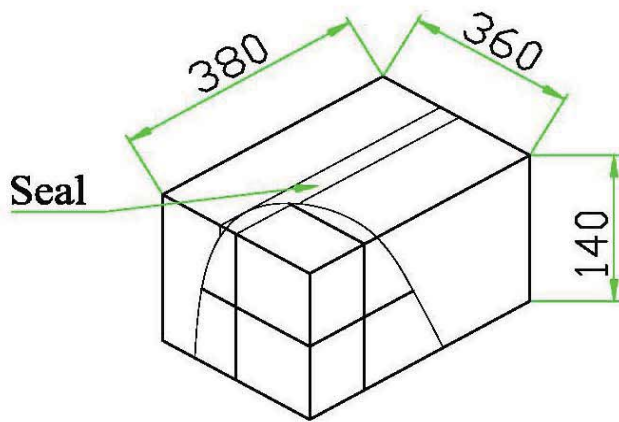
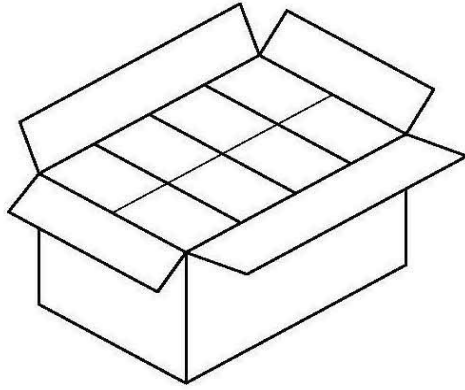
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## 7. Packing



**QTY: 24Pcs**  
**380X360X140**