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Model No.	SH-89A01R8-7675	Revision No.	1.0
		Drawing No.	KFC7675

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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 : 60 mm
- 2.2 Height : 25 mm
- 2.3 Weight : 230 g
- 2.4 Operating Temperature range:
-40 ~+85 °C without loss of function
- 2.5 Store Temperature range:
-40 ~+90 °C without loss of function

3. Electrical and Acoustic Characteristics.

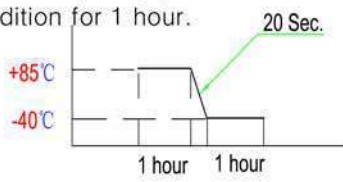
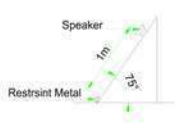
Test condition : 15 ~ 35 °C, 25% ~ 85% RH, 860~1060 mbar

No	Items	Specification
1	Impedance	8 Ω ± 20%
2	Sound Pressure Level	≥ 95 dB 1W /1m at1500Hz-2100Hz avg
3	Resonance Frequency	1500 Hz ± 20%
4	Frequency Range	FO ~4KHz
5	Input Power	Rated 15 W / Max. 20 W
6	Magnet size	Φ60*32*8 mm(Dia.*dia.*H)
7	Buzz and Rattle	Should not be audible buzzes,rattles when the 2.83 V sine wave signal swept at frequency range."
8	Polarity	When supplied plus D.C. voltage to (+) blue line, the diaphragm must move to forward.
9	Case Material/Color	PC/BLACK

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4. Reliability Test

After test(1~8item), the speaker 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 placed in a chamber with $+90\pm 5\text{ }^\circ\text{C}$ for 48 hours and then being placed in natural condition for 1 hour, speaker shall be measured.
2	Low Temperature Test	After being placed in a chamber with $-40\pm 5\text{ }^\circ\text{C}$ for 24 hours and then being placed in natural condition for 1 hour, speaker shall be measured.
3	Humidity Test	After being placed in a chamber with 90 to 95%R.H. at $+40\pm 2^\circ\text{C}$ for 24 h and then being placed in natural condition for 1h , sounder shall be measured.
4	Thermal Shock Test	<p>After being placed in a chamber at $+85\text{ }^\circ\text{C}$ for 1 hour, then speaker shall be placed in a chamber at -40°C for 1 hour(1 cycle is the below diagram).</p> <p>After 10 above cycles, speaker shall be measured after being placed in natural condition for 1 hour.</p> 
5	Vibration Test	After being applied vibration of amplitude of 1.2mm with $10\text{ to }55\text{Hz}$ band of vibration frequency to each of 3 perpendicular directions for 8 hour, then placed in natural condition for 1 hour, speaker shall be measured.
6	Drop Test	<p>A speaker is dropped from 1m in length on 75° inclination and a magnetic circuit of speaker is hit to the restraint metal.</p> <p>After the test, magnetic circuit should not drop out and speaker should be met the item 11,12.</p> 
7	Load test	After being applied loading white noise with input power $15\text{W}(9.49\text{Vrms.})$ for 96 hours, then placed in natural condition for 1 hour, speaker shall be measured.
8	Insulation test	When they are measured with DC 100V the insulation resistance between v.c. terminal and frame must be more than $1\text{ M}\Omega$

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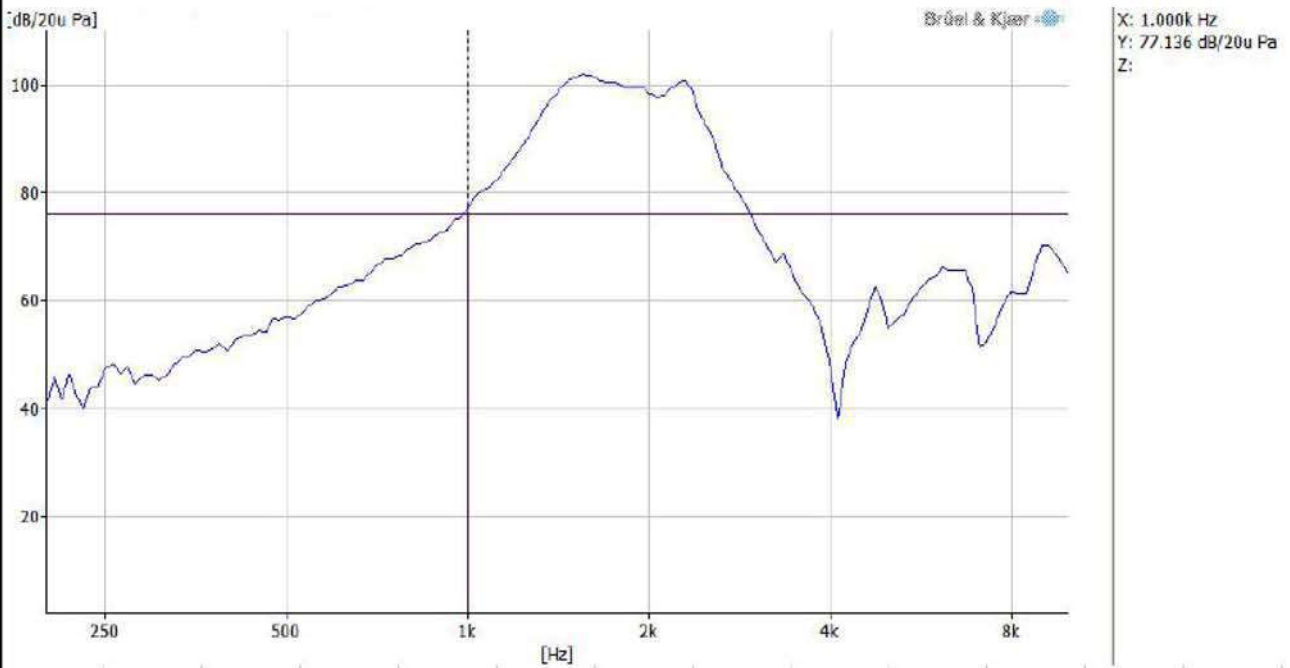
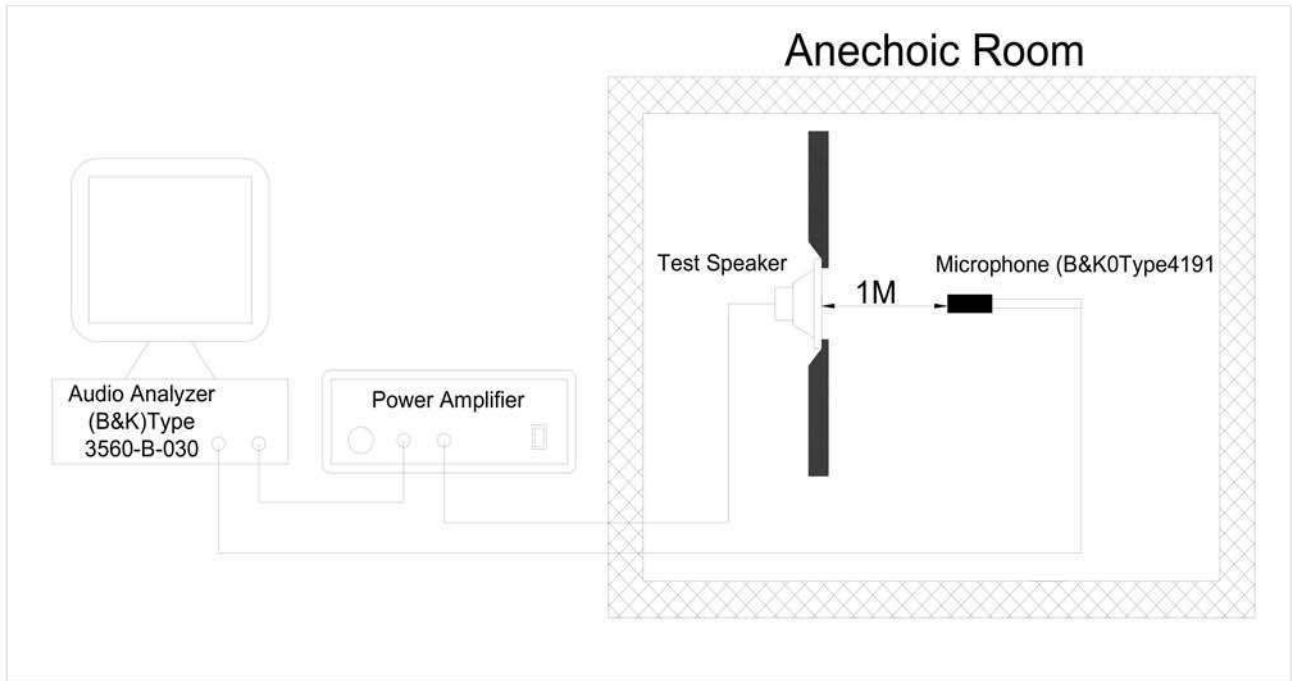
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5. Measurement Block Diagram & Response curve



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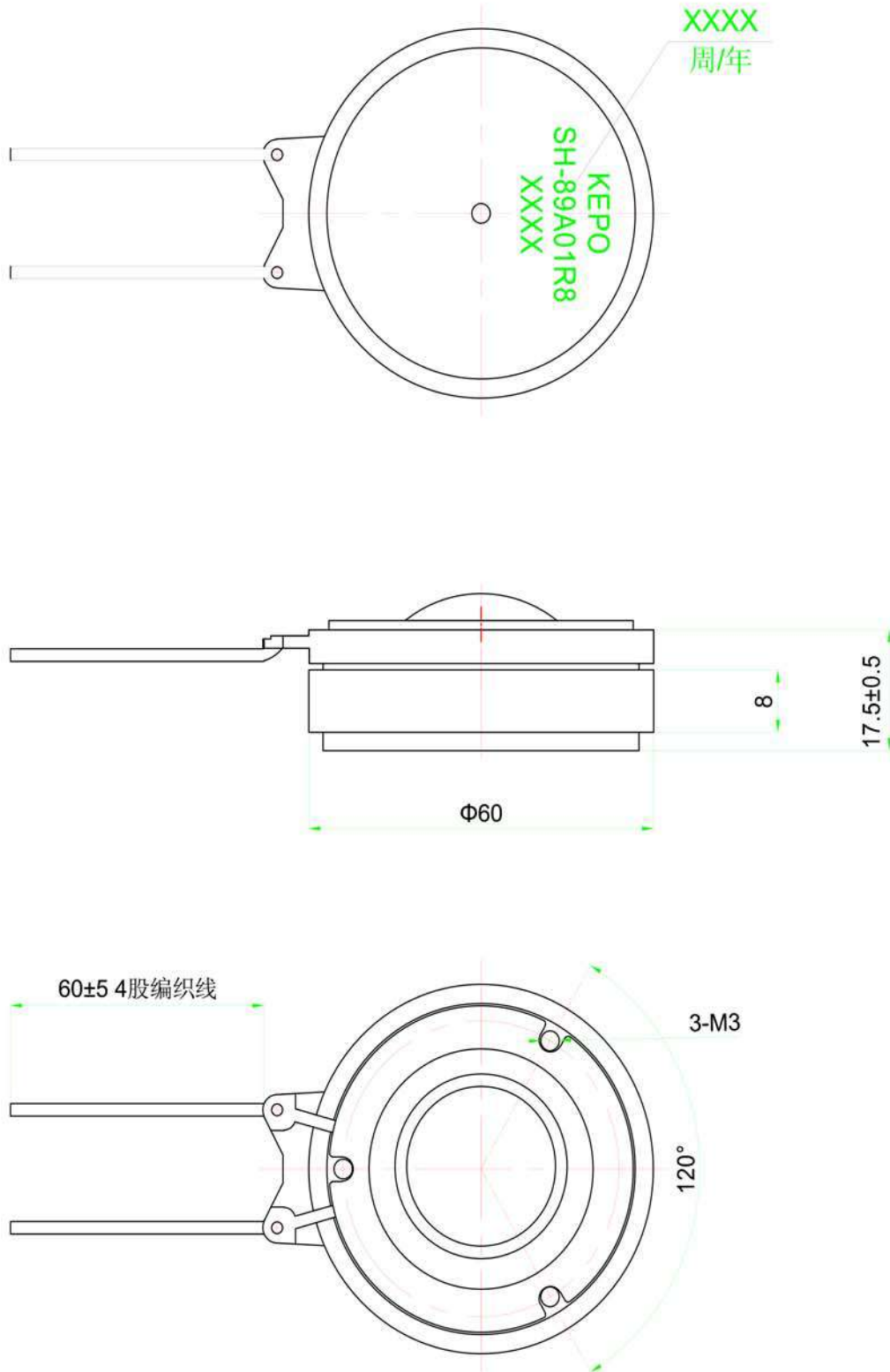
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7. Dimensions



FIRST ANGLE PROJECTION



UNIT : mm

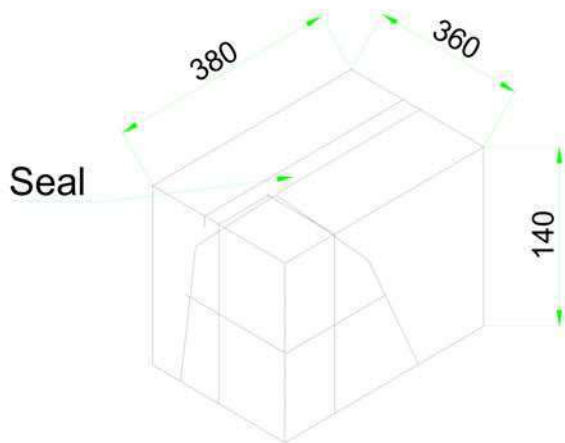
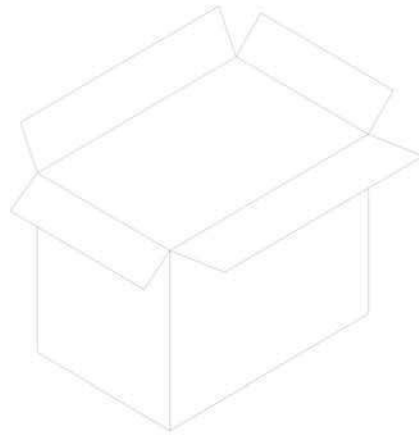
Tolerance : ± 0.5

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8. Packing

Each minimum package unit of products shall be in a carton box and it shall be clearly marked with Part Number ,quantity and outgoing inspection number.

There shall be no mechanical damage on products during transportation and/or in storage.



QTY: 24Pcs
380×360×140mm

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9. Revision

Rev. No.	DATE	PAGE	DESCRIPTION	BOM
1.0	2015.03.28		Primary	