

SPECIFICATION

FOR APPRONAL

Customer : _____

Product Name : Horn speaker _____

Model Name : VSH-86x86R8F14 _____

Drawing No. : VS20150625011 _____

Signature of Voice

Approved by	Checkde by	Issued by	Date



福爱斯电子有限公司
VOISE ELECTRONICS CO.,LTD.

Office Add:Haoyangguang B-302# No.968 Baizhang Road,Ningbo China

Factory add: Shishan Industrial Park Moushan Town Yuyao City China

Tel:86-0574-87471601 Fax:86-0574-87471600 P.C.315040

Http://www.nbvoice.com E-mail:sales@nbvoice.com

Specification for horn speaker	Page	3/7
	Revision No.	1.0
Model No. : VSH-86x86R8F14	Drawing No.	VS20150625011

2. 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.

3. General Characteristics

- 2.1 Out-Diameter : 86x86 mm
- 2.2 Height : 45 mm
- 2.3 Weight : 360 ±20g
- 2.4 Operating Temperature range:
-20~+60 °C without loss of function
- 2.5 Store Temperature range:
-30~+70 °C without loss of function

4. Electrical and Acoustic Characteristics.

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

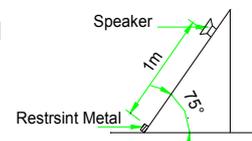
No	Items	Specification
1	Impedance	8 Ω±20% at 2kHz
2	Min Sound Pressure Level	96 dB at 1M/1W at 1.2K-3kHz AVG ,B&K
3	Resonance Frequency	1.4 kHz±20%
4	Frequency Range	1000-4000Hz
5	Input Power	Rated 15W / Max. 20W
6	Magnet size	Φ60x32x10 mm(DiaxdiaxH)
7	Case Material	ABS
8	Color	Black
9	Buzz and Rattle	Should not be audible buzzes,rattles when the 10.95V sine wave signal swept at frequency range.
10	Voice Coil dimension	Φ 25.4 mm(Dia.)

Specification for horn speaker	Page	4/7
	Revision No.	1.0
Model No. : VSH-86x86R8F14	Drawing No.	VS20150625011

5. Reliability Test

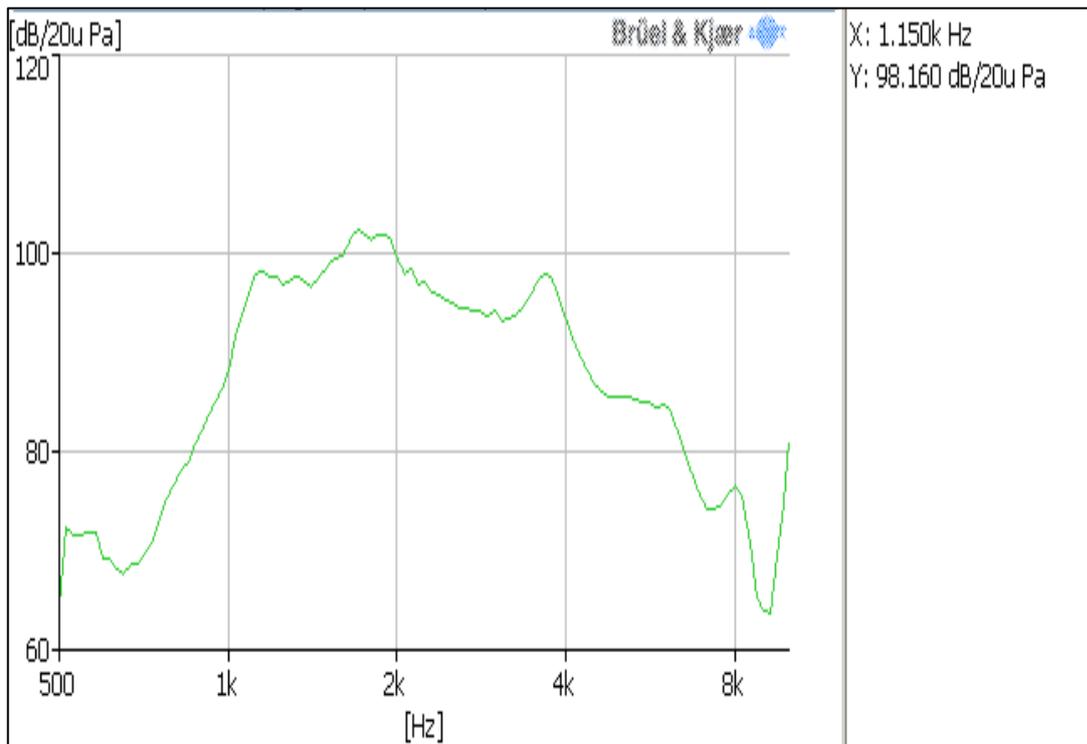
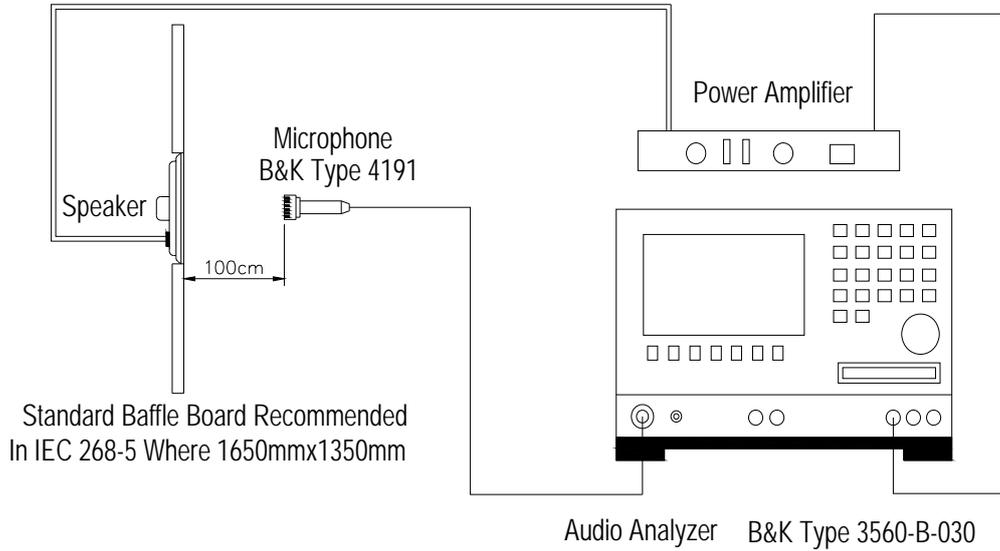
After test(1~6item), the Electronic Siren S.P.L . difference shall be within $\pm 10\text{dB}$, and the appearance not exist any change to be harmful to normal operation(e.g.cracks,rusts,damages and especially distortion).

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 75° inclination and a magnetic circuit of speaker is hitted to the restraint metal.</p> <p>After the test, magnetic circuit should not drop out and speakr should be measured.</p>
7	Load test	After being applied loading white noise with input power 15W(10.95Vrms.) for 48 hours, then placed in natural condition for 1 hour, speaker shall be measured.



6. Measurement Block Diagram & Response curve

Standard test condition of speaker



Specification for horn speaker

Page

6/7

Revision No.

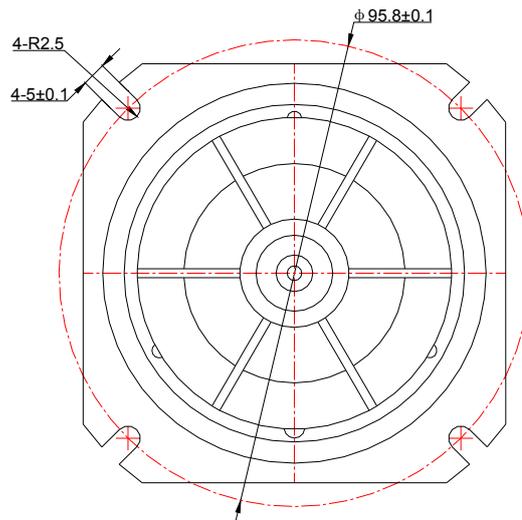
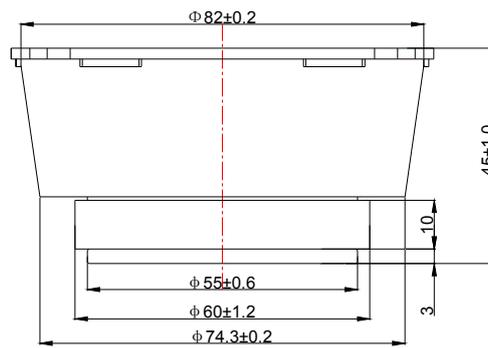
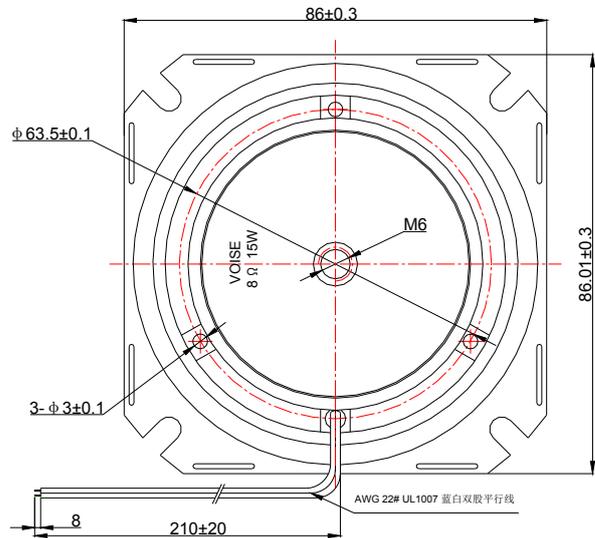
1.0

Model No. : VSH-86x86R8F14

Drawing No.

VS20150625011

7. Dimensions



FIRST ANGLE PROJECTION



UNIT : mm

Tolerance : ±1.5

Specification for horn speaker	Page	7/7
Model No. : VSH-86x86R8F14	Revision No.	1.0
	Drawing No.	VS20150625011
<p data-bbox="252 248 448 286">8. Packing</p> <p data-bbox="220 367 1337 495">Each minimum package unit of products shall be in a carton box and it shall be marked with Part Number ,quantity. There shall be no mechanical damage on during transportation and/or in storage.</p> <p data-bbox="922 1850 1190 1928" style="text-align: right;">Total:24 pcs per box Size:38x36x12.5cm</p>		