


佛山鎡利電子有限公司
Vanson Electronics (NanHai) Co., Ltd.
 HTTP:// www.vecoc.com.cn
Luocun Industrial zone Nanhai District Foshan city
Guangdong Province China E-mail:vecof@vansonic.net
 廣東省佛山市南海區羅村工業區 郵編:528226
 TEL:+86-757-8853 6828 FAX:+86-757-8853 6826

Specification

規 格 書

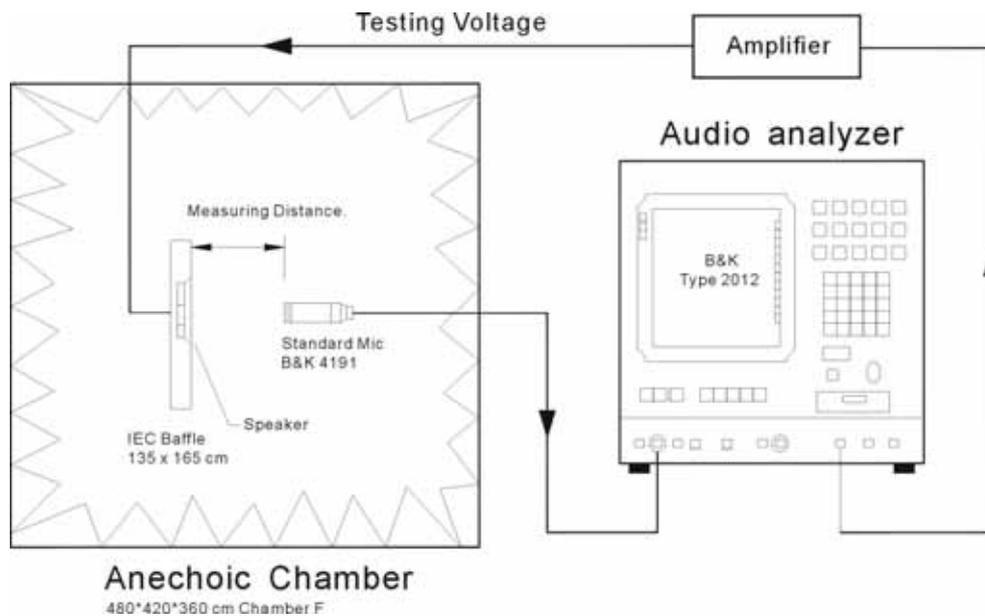
品名 (Product Name)	揚聲器 (Speaker)
料號 (Model No.)	P28CR08FB-1-50BD

Revision History			
Version	Date	Description	Author
V1.0	2007/01/30	Creation	WS
V1.1	2009/12/03	Update	WHK
V1.2	2010/11/30	Update FO	RSQ

核準 (Approval)	高紅華	2010/11/30
審查 (Check)	曾憲財	2010/11/30
制作 (Author)	饒三慶	2010/11/30

Test method and User precaution.

1. Characteristics measured according to standard GB/T 9396-1996
 - 1.1 Except other specified, measuring are under Temperature 15~35°C R.H. 25 ~75%
 - 1.2. Judgement condition Temperature 20 ±2 R.H. 63~67%
 - 1.3 .Product shelf life is valid for 12 months only.
2. Output Sound Pressure Level (S.P.L.) and distortion testing setup



3. Environment & Mechanical test:

3.1 High Temperature: GB2423.2-81

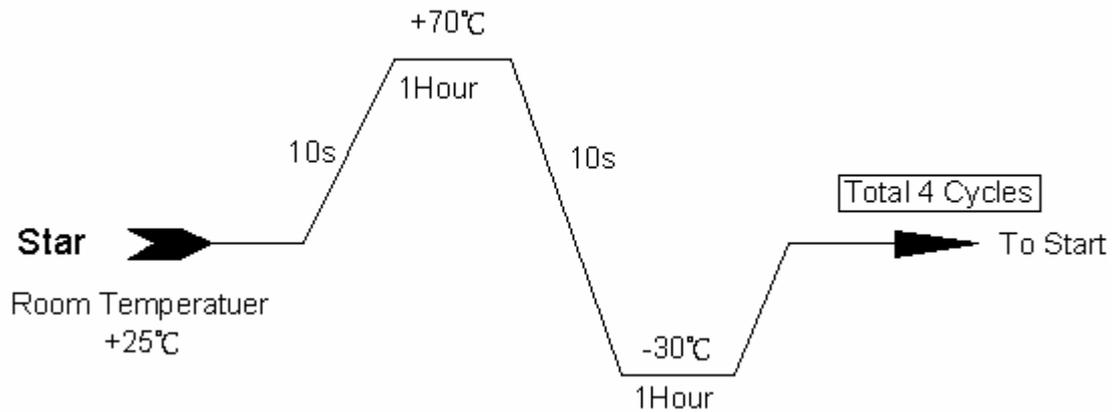
After exposure the speaker in the + 70 ± 2 °C chamber for 96 hours, then leave the speaker at room temperature for 1 hour, the SPL should not deviate by ± 3 db, and resonant frequency should not deviate by ± 50 Hz, compare with pre-test measurement.

3.2 Low Temperature: GB2423.1-81

After exposure the speaker in the -30 ± 2 °C chamber for 96 hours, then leave the speaker at room temperature for 1 hour, the SPL should not deviate by ± 3 db, and resonant frequency should not deviate by ± 50 Hz, compare with pre-test measurement.

3.3 Temperature cycle: GB5170.18-87

After exposure the speaker in the chamber, temperature cycle setting as below shows, SPL should not deviate by ± 3 db, and resonant frequency should not deviate by ± 80 Hz, compare with pre-test measurement.



3.4 Humidity: GB5170.18-87

After exposure the speaker in the + 40±2 °C, relative humidity 90% ~ 95% chamber for 96 hours, then leave the speaker at room temperature for 6 hours, the SPL should not deviate by ±3 db, and resonant frequency should not deviate by ±50 Hz, compare with pre-test measurement.

3.5 Vibration: GB11606.8-89

Frequency 30±15 Hz, Amplitude 1.5 mm for 3 Hours. After test, SPL shall not deviate by ±3 db from pre-test measurement,

3.6 Load test: GB/T 9396-1996

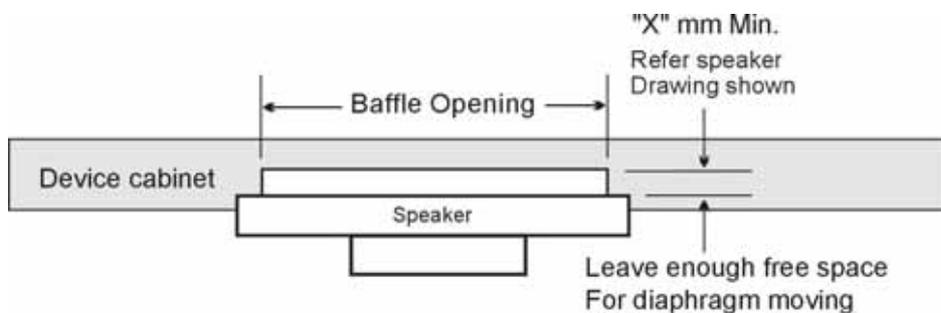
Speaker should not fail after apply 20 ~ 20K Hz pink noise with HPF rated power input (RMS), 96 hours. After test, SPL shall not deviate by ±3 db from pre-test measurement,

3.7 Drop test: GB2423. 8-81

75 cm free falling on concrete floor, 10 times. After test, SPL shall not deviate by ±3 db from pre-test measurement,

4. Mounting **precaution**

In order to keep speaker work normally, there shall leave enough free space for diaphragm moving, minimum distance required is marked in speaker mechanical drawing.



5. Measuring & standard referenced

Abstract from GB/T 9396-1996 and IEC 268-5:1989 methods of measurement for main characteristics of loud speakers.

5.1 Rated sine voltage.

It is stipulated by manufacturer, sine signal voltage that make speaker work continuously in rated frequency range, but the speaker wouldn't be damaged heartily or mechanically.

The persist time of the voltage is 1 hour.

5.2 The rated sine power.

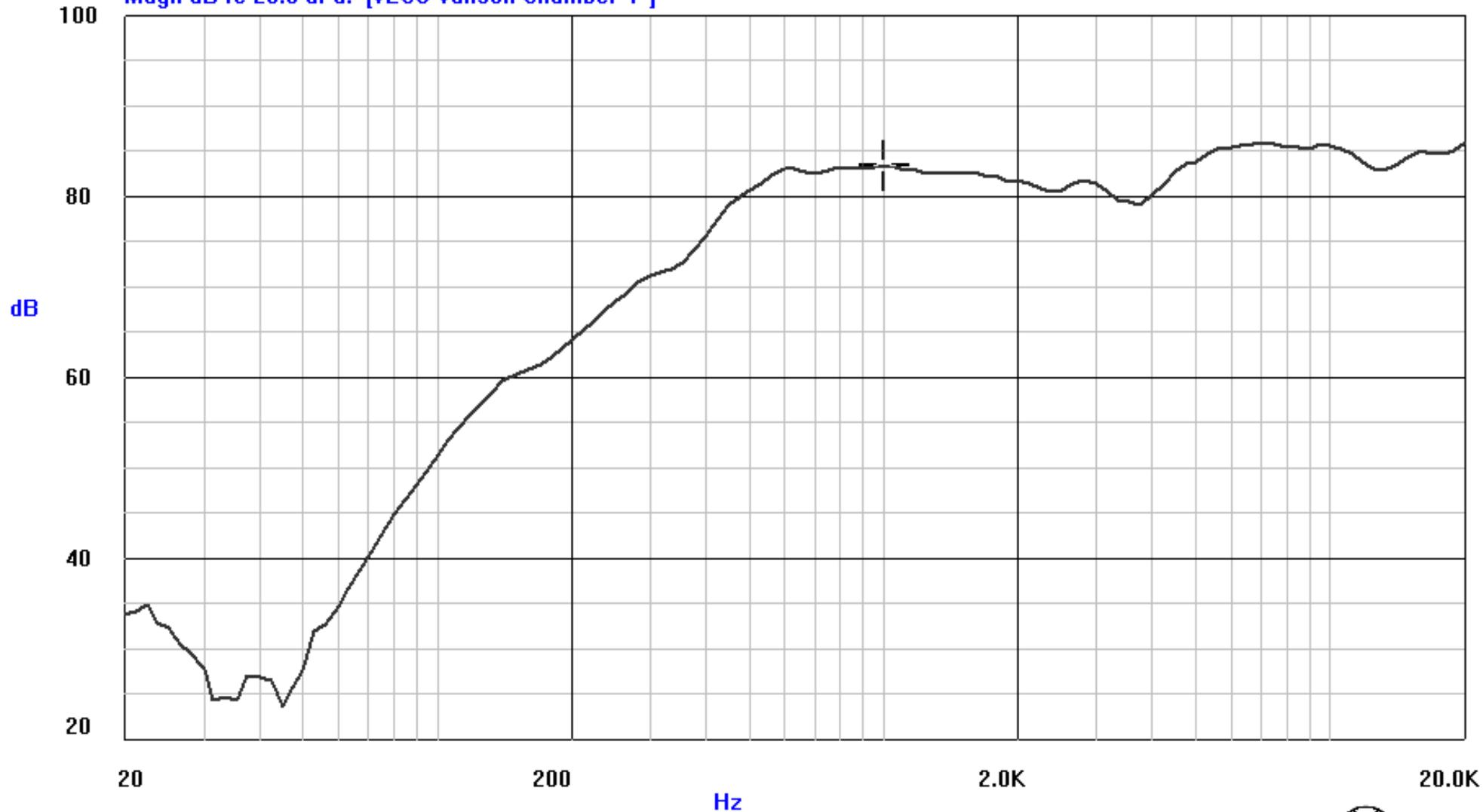
The rated sine power is corresponding with the rated sine voltage, its definition is U_s^2/R , U_s indicates the maximum sin voltage, R indicates the rated impedance.

5.3 The rated noise power.

The rated noise power is corresponding with the rated noise voltage, its definition is U_n^2/R , U_n indicates the rated noise voltage, R indicates the rated impedance.

P28CR08FB-1-50BD VOL:2.83V(1W) DIS:0.5M VANSONIC

Magn dB re 20.0 uPa. [VECO Vanson Chamber F]

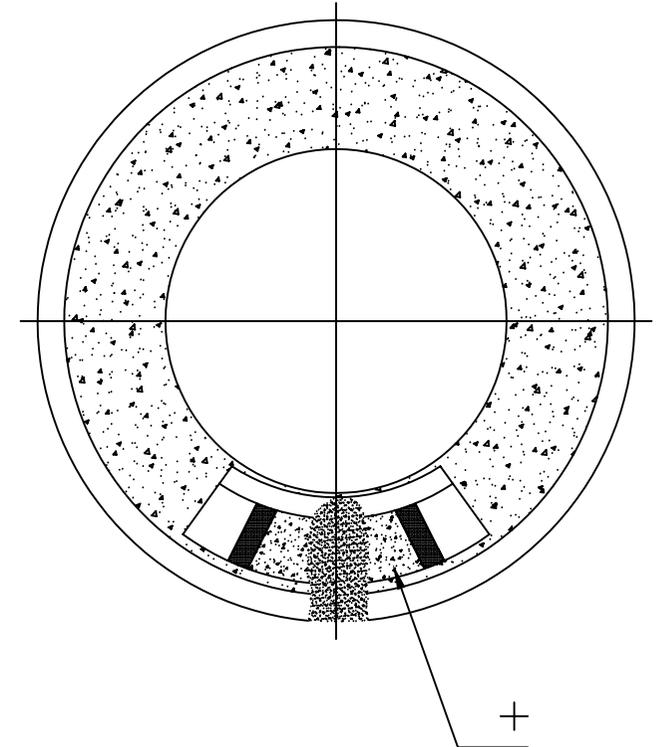
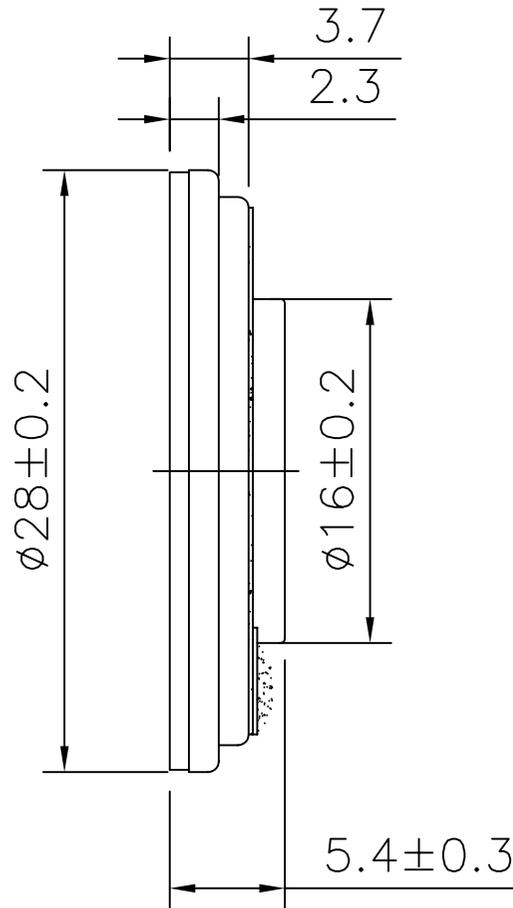
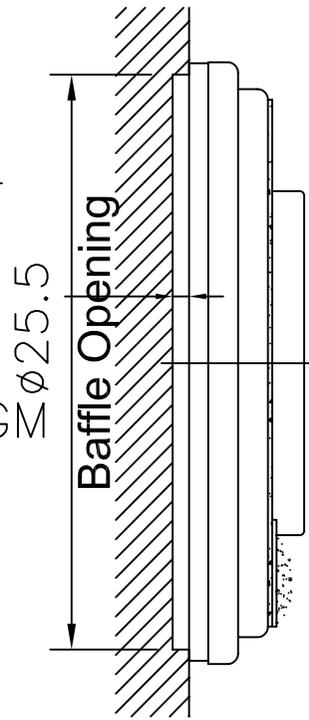


Current Curve: 0 X: 1000 Hz Y: 83.30 dB
Time[Y/M/D H:M:S]: 2007/ 1/31 1: 5:12



MOUNTING NOTICE

AT LEAST
0.8mm
FOR
DIAPHRAGM
MOVING



RANGE	TOL			
0-8	±0.05	±0.10	±0.20	±0.30
8-16	±0.10	±0.15	±0.25	±0.40
16-24	±0.15	±0.20	±0.30	±0.50
24-50	±0.20	±0.25	±0.40	±1.0
50-100	±0.25	±0.30	±0.50	±2
>100	±0.40	±0.40	±0.80	±3

V1.0		07.01.06		DESCRIPTION	
VERSION	DATE				
Unit: mm	Scale:	Appr.: 高紅華			
Tol.:		CHK.: 劉雲華	Dwg.: 廖繼茂		

Vanson Electronics (Nanhai) Co., Ltd.

鉞利電子

E-MAIL: vecof@vansonic.net
TEL: +86-757-88536828 FAX: +86-757-88536826

Title: P28CR08FB-1-50BD

F:\SPEC\THIN\28CR\IP28CR08FB-1-50BD.DWG