

Specification



品名 (Product Name)	揚聲器 (Speaker)
料號 (Model No.)	P40CS08FN-1-75BT

Revision History			
Version	Date	Description	Author
V1.0	2009/03/24	Creation	HLP

核準 (Approval)	高紅華	2009/03/24
審查 (Check)	劉雲華	2009/03/24
制作 (Author)	胡麗平	2009/03/24

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
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1.	MODEL:	40CS08FN-1-75BT(CLEAR MYLAR -75BD(BLACK MYLAR)
2.	Dimension & Weight	Outer Diameter 40ϕ mm Face side Dimension 35.5ϕ mm
		Baffle Opening 35.5ϕ mm
		Height Refer to drawing Weight 9.5 Grams
3.	Magnet	Materials Rare Earth Size ϕ12.5 x1.5 mm
4.	Nominal Impedance	8 $\Omega \pm 15\%$, At 1000 Hz.
5.	Power Rating	Normal 1.0 Watts Maximum 1.5 Watts Sine Wave.
		Normal Watts Maximum Watts Square Wave.
6.	Resonant Frequency	520 $\pm 20\%$ Hz.
7.	Output Sound Pressure Lever (S.P.L.)	85 ± 3 db/ 1.0 Watt · 0.5 Meter
		Average at 800, 1000, 1200, 1500 Hz.
8.	Frequency Range	200 ~ 6000 Hz. Average SPL – 10 db.
9.	Distortion	5 % Maximum At 1000 Hz. 1.0 W.
10.	Abnormal Sound test	Must be Normal Tested By 2.83 Volts. Sine Wave.
11.	Load Test	White Noise 2.83 Volts. (RMS.) 96 Hours.
12.	Polarity	Diaphragm shall move Forward while Apply a Positive DC Signal to the " + " or " Marked " Terminal.

Above Measuring condition under temperature : 15~35 \cdot •R.H. 25 ~75%. According to standard GB/T9396-1996

Mechanical and vibration test

13.	High Temperature	+ 60 ± 2 $^{\circ}$ C Humidity Random for 96 Hours. (GB2423.1-81)
14.	Low Temperature	- 25 ± 2 $^{\circ}$ C Humidity Random for 96 Hours. (GB2423.2-81)
15.	Humidity	+ 40 ± 2 $^{\circ}$ C Relative Humidity (RH) 90 ~ 95 % 48 Hours.
16.	Vibration	Frequency 30 ± 15 Hz, Amplitude 1.5 mm for 3 Hours. (GB11606.8-89)
17.	Drop test	75 CM free falling on Concrete floor, 10 times. (GB2423. 8-81)

After test leave speakers at room temperature for 1 hour, SPL shall not deviate by ± 3 db from pre-test

18.	Temperature Cycle test	- 25 ~ + 60 $^{\circ}$ C 4 Cycles Temperature test. (GB5170.18-87)
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After test leave speakers at room temperature for 1 hour, SPL shall not deviate by ± 4 db from pre-test Measurement, and meet above spec. item 6. 7. 8. 9. 10.

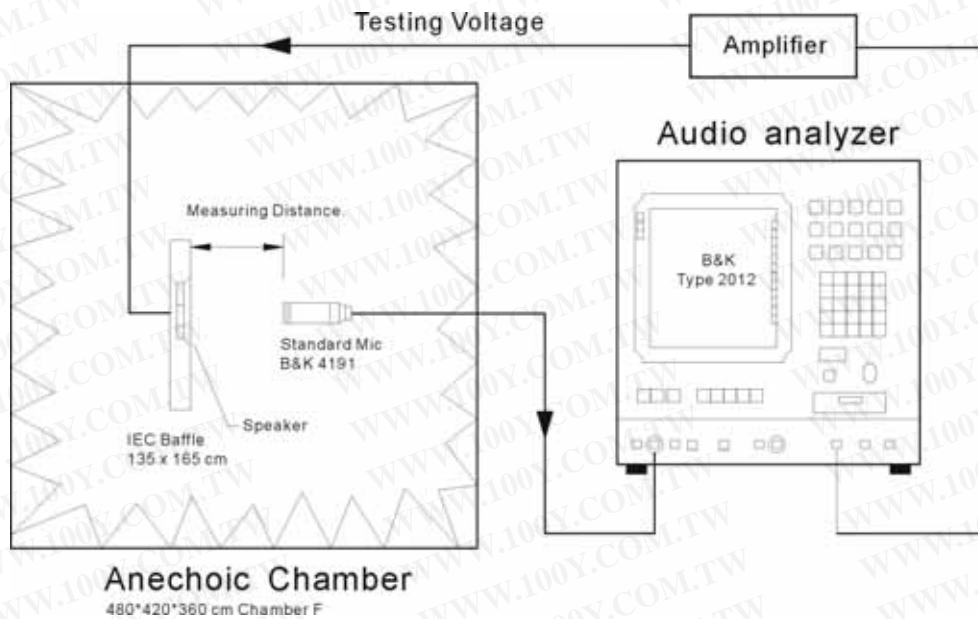
Please refer to next pages for more detailed testing method.

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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: GB2423.1-81

After exposure the speaker in the + 60 ± 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.

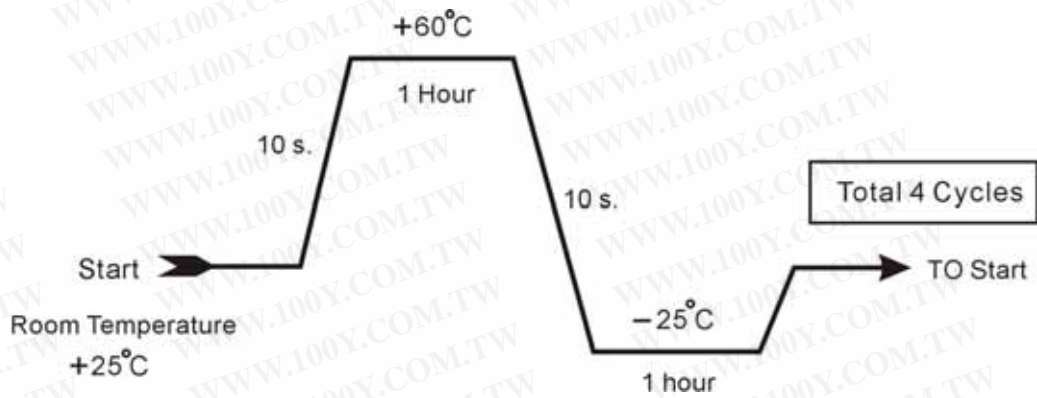
3.2 Low Temperature: GB2423.2-81

After exposure the speaker in the -25 ± 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 ± 4 db, and resonant frequency should not deviate by ± 80 Hz, compare with pre-test measurement.

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3.4 Humidity: GB5170.18-87

After exposure the speaker in the + 40±2 °C, relative humidity 90% ~ 95% chamber for 48 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

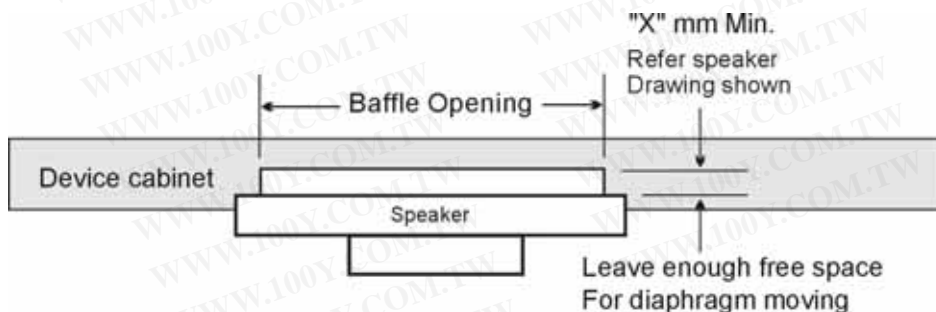
Speaker should not fail after apply 20 ~ 20K Hz white noise rated power input (RMS), 96 hours. After test, SPL shall not deviate by ±3 db from pre-test measurement,

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.

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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.

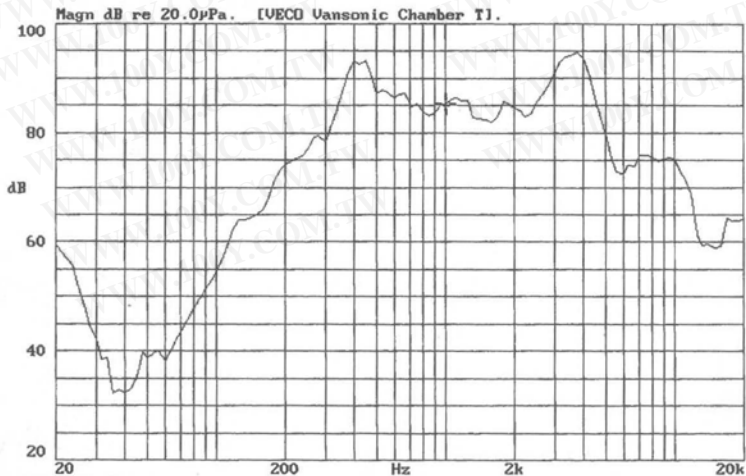
5.3 The rated noise power.

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.

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40CS08FM-1-75BT VOL:2.828V(1W) DIS:0.5M VANSONIC
X:1.0000kHz *Y:85.31dB ZA:Live Curve SSR Fund.



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Mode: SPEAKER

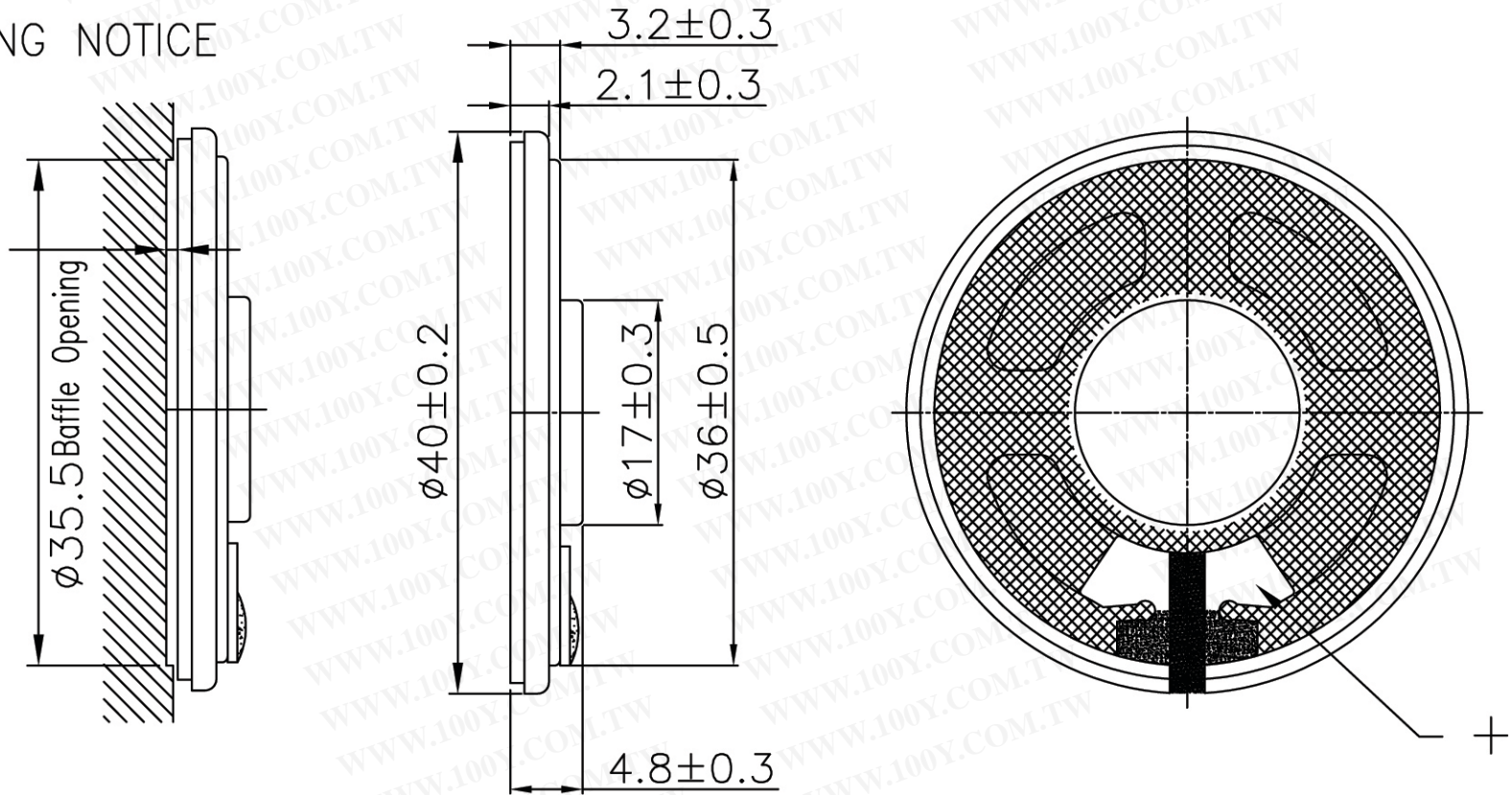


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MOUNTING NOTICE

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

▲:重點尺寸

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Title: P40CS08FN-1-75BT(D)

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VERSION	DATE	DESCRIPTION
V001	09.03.24	
Unit: mm	Scale:	Appr.:
Tol.:		CHK.:
		Dwg.: 廖繼茂