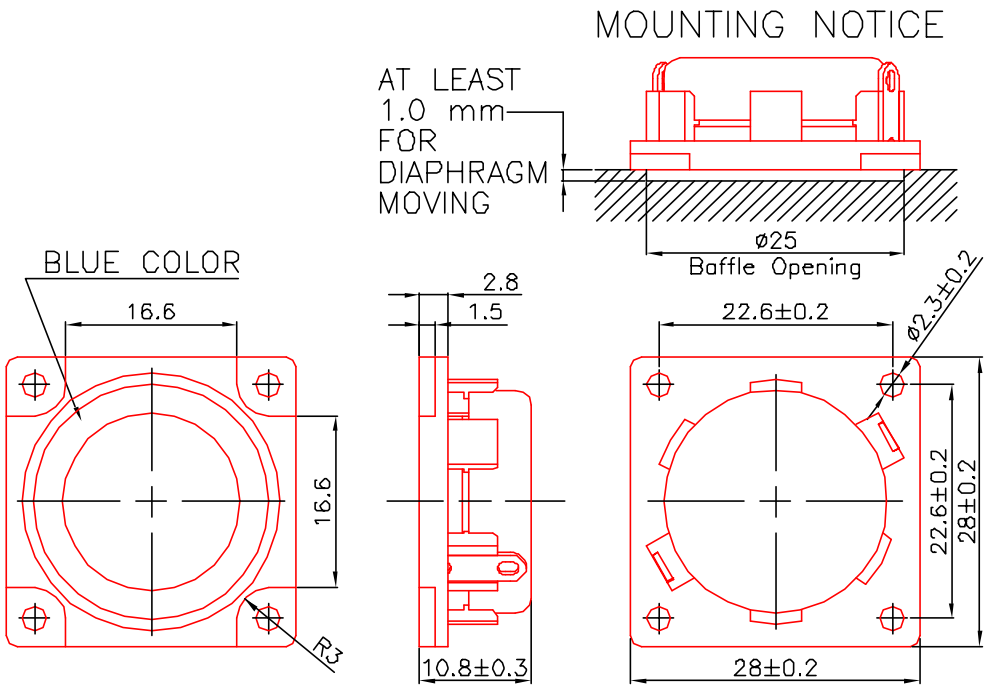
VECO VANSONIC ENTERPRISE CO.,LTD.
8F.,No.7,Lane 16, Sec.2, Szechwan Road, Panchiao, Taipei Hsien, TAIWAN.
TEL: +886-2-29626335 FAX: +886-2-29625220 E-MAIL: vansonic@ms4.hinet.net

1.	MODEL:	28KC08-1-A
2.	Dimension	Outer Diameter 28x 28 mm. Baffle Opening Ø25 mm.
		Height Refer to Drawing Weight 21 Grams.
3.	Magnet	Materials Rare Earth Size ø 15 .5 x 2.8 mm.
4	Nominal Resistance	8 Ω ± 15 %
5.	Power Rating	Normal 2 W. Maximum 3 W.
6.	Lowest Resonant Frequency	270 ± 20 % Hz.
7.	Output Sound Pressure Lever	82 ± 3 db / 1.0 Watt . 0.5 Meter.
	(S.P.L.)	Average at 600, 800, 1000, 1200 Hz.
8.	Frequency Range	150 ~ 20000 Hz. Average S P L - 10 db.
9.	Distortion	5 % Maximum At 1000 Hz. 1 W.
10.	Abnormal Sound Test	Must be Normal Tested By 4 Volts. Sine Wave.
11.	Load Test	White Noise with Weighted Filter 4 Volts.(RMS) 24 Hrs.
12.	Polarity	Diaphragm shall move Forward when Apply a Positive DC.
		Current to the "+" or "Marked" Terminal.



Unit : mm Housing Material : PBT

C:\VECO\28\28KC\SPEC\28KC08-1-A.DWG LOB

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1.	**MODEL:**	**28KC08-1-A**
2.	Dimension	Outer Diameter **28×28** mm. Baffle Opening f **25** mm.
		Height **Refer to Drawing** mm. Weight **21** Grams.
3.	Magnet	Materials **Rare Earth** Size: **15.5** f ´ **2.8** mm.
4.	Impedance	**8** W ± **15** %
5.	Power Rating	Normal **2** W. Maximum **3** W.
6.	Lowest Resonant Frequency	**270** ± **20** **%** Hz.
7.	Output Sound Pressure Lever	**82** ± **3** db / 1.0 Watt · 0.5 Meter.
	(S.P.L.)	Average at **600, 800, 1000 , 1200** Hz.
8.	Frequency Range	**150 ~ 20000** Hz. Average SPL – 10 db.
9.	Distortion	**5** % Maximum At **1000** Hz. **1** W.
10.	Abnormal Sound Test	Must be Normal Tested By **4.0** Volts. Sine Wave.
11.	Load Test	White Noise **4.0** Volts. (RMS.) **24** Hours.
12.	Polarity	Diaphragm shall move Forward while Apply a Positive DC
		Current to the " + " or " Marked " Terminal.

Environment & Mechanical test.

13.	High Temperature	+ 60 ± 2 °C Humidity Random for 96 Hours.
14.	Low Temperature	– 25 ± 2 °C Humidity Random for 96 Hours.
15.	Humidity	+ 40 ± 2 °C Relative Humidity 90 ~ 95 % 96 Hours.

After test leave at room temperature for 1 hour, SPL shall not deviate by ± 3 db from pre-test measurement, and meet above spec. item 6. 7. 8. 9. 10.

16.	Temperature Cycle test	– 25 ~ + 60 °C 4 Cycles Temperature test.

After test leave 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.

17.	Vibration	Frequency 30 ± 15 Hz, Amplitude 1.5 mm for 3 Hours.
18.	Drop test	75 CM free falling on Concrete floor, 10 times.

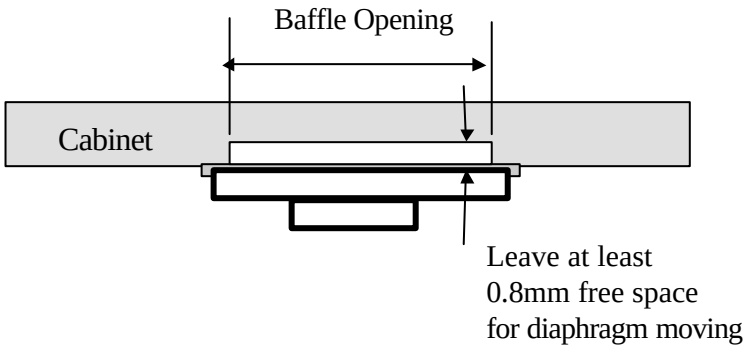
After test, SPL shall not deviate by ± 3 db from pre-test measurement, and meet above spec. item 6. 7. 8. 9. 10.

Please refer to next pages for more detailed testing method.

User precaution and Test method.

1. Mounting precaution.

Keep clearance in front of the speaker, at least leave 0.8mm for diaphragm moving freely.



2. Environment test - High temperature.

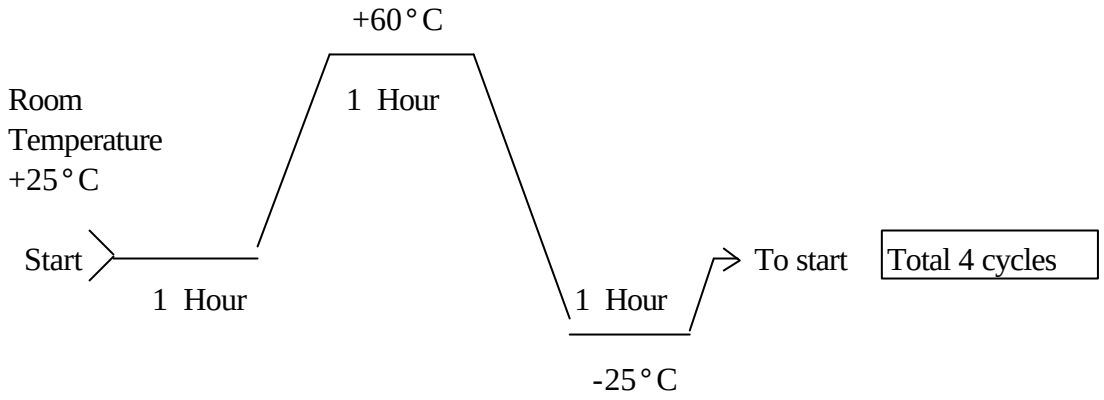
After exposure the speaker in the + 60 ± 2 °C chamber for 96 hours, then leave the speaker at room temperature for 1 hour, the SPL should not deviate by ± 3 db, and resonant frequency should not deviate by ± 50 Hz, compare with pre-test measurement.

3. Environment test - Low temperature.

After exposure the speaker in the – 25 ± 3 °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.

4. Environment test - Temperature cycle.

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.



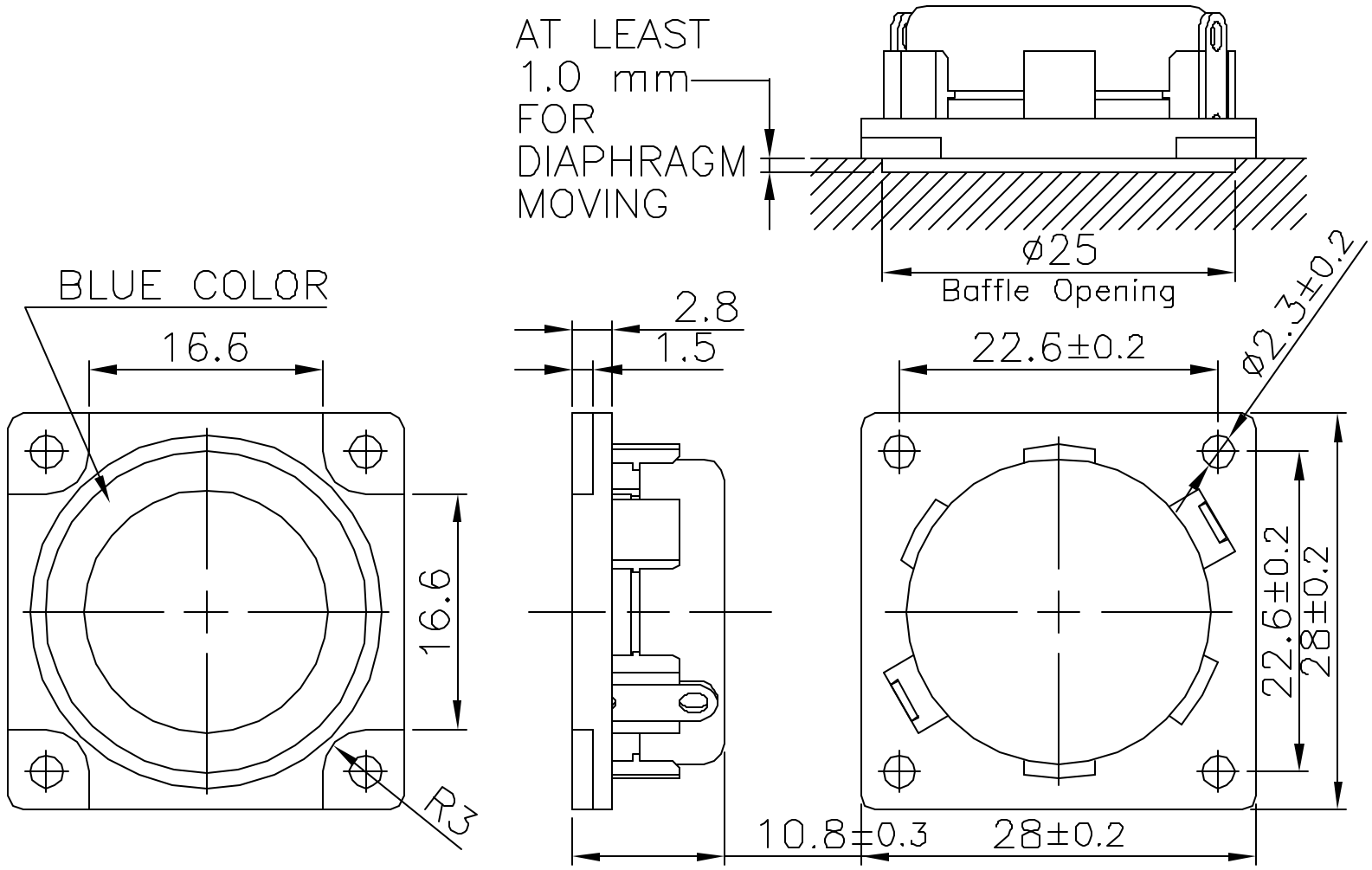
5. Environment test - Humidity.

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.

6. Load test

Speaker should not fail after apply 20 ~ 20K Hz while noise rated power input (RMS), 24 hours.

MOUNTING NOTICE



V 1.0	04.03.17	P28KC08-1-A
VERSION	DATE	DESCRIPTION

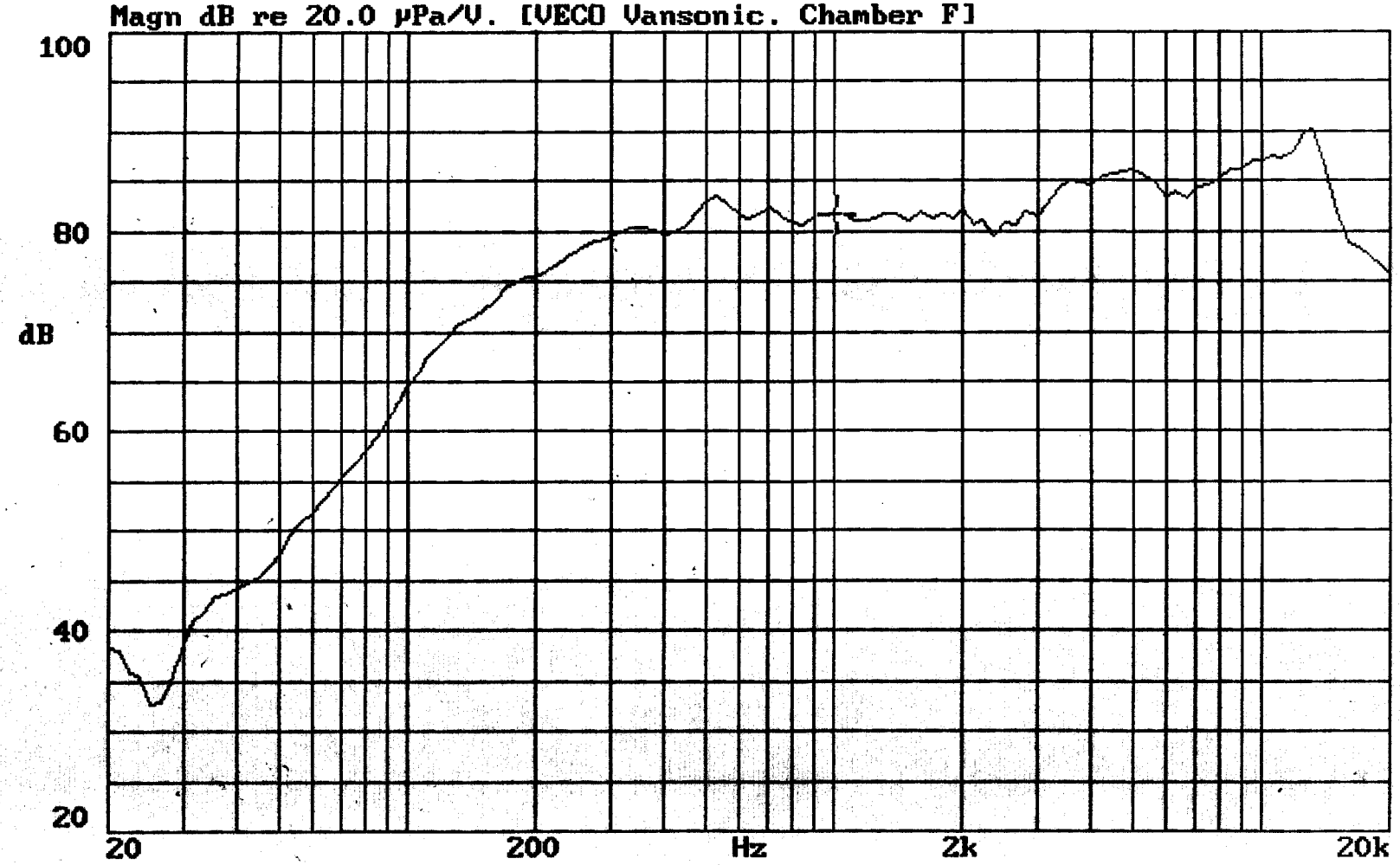
Vansonic Enterprise CO.,Ltd.
紘立企業 E-MAIL:VANSONIC@MS4.HINET.NET
TEL:+886-2-29626335 FAX:+886-2-29625220

Title: P28KC08-1-A

G:\\DWG\VECO\28\TOOL\P28KC08-1-A.DWG

Unit: mm	Scale:	Appr.:	
Tol.:	-◁	CHK.:	Dwg.:

28KC08-1-A VOL:2.828V(1W) DIS:0.5M VANSONIC
X:1.0000kHz *Y:81.68dB ZA:1.0000 SSR Fund.



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Mode: SSR