

VECO VANSONIC ENTERPRISE CO., LTD.

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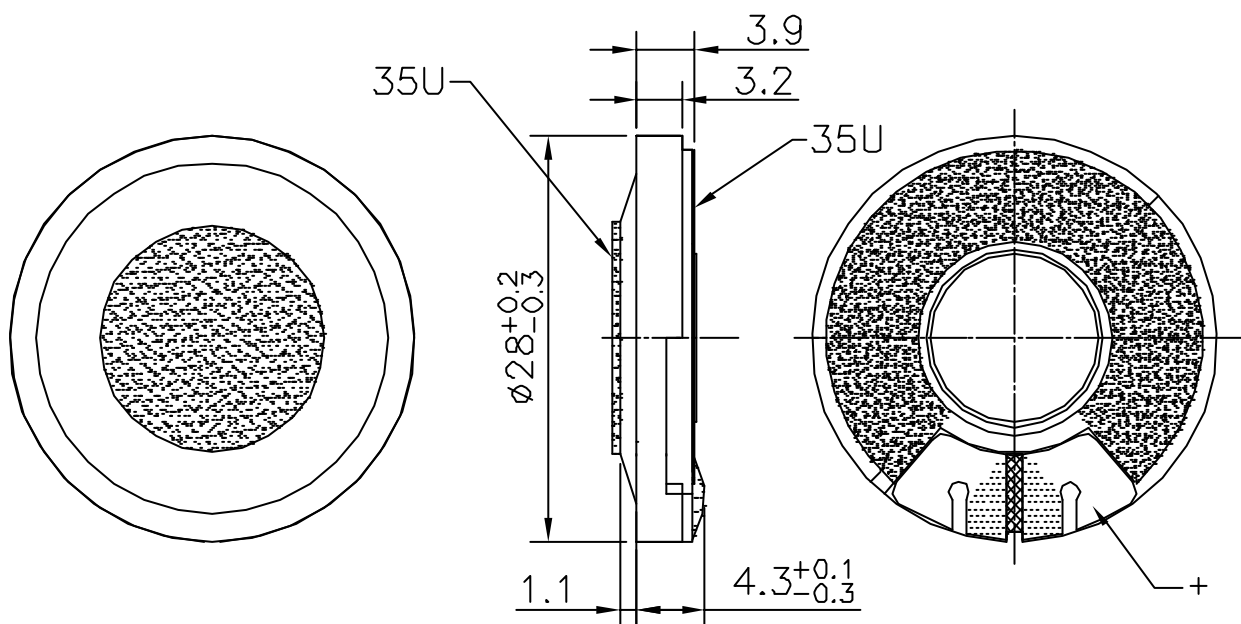
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1.	MODEL:	28CS08GQ-1 -38ND(BLACK MYLAR)-38NT(CLEAR MYLAR)
2.	Dimension	Outer Diameter 28 mm. Baffle Opening 26.4 mm.
		Height Refer to Drawing . Weight 3.4 Grams.
3.	Magnet	Materials Rare Earth . Size ∅ 9.7X1.5-N40 mm.
4.	Nominal Impedance	8 ± 15 % At 1200 Hz.
5.	Power Rating	Normal 500 mW. Maximum 1000 mW.
6.	Lowest Resonant Frequency	460 ± 20 % Hz.
7.	Output Sound Pressure Lever (S.P.L.)	83 ± 3 db / 0.5 Watt . 0.5 Meter.
		Average at 800, 1000, 1200, 1500 Hz.
8.	Frequency Range	300 ~ 12500 Hz. Average S P L - 10 db.
9.	Distortion	5 % Maximum At 1000 Hz. 500 mW.
10.	Abnormal Sound Test	Must Be Normal Tested By 2.0 Volts. Sine Wave.
11.	Load Test	White Noise With Weighted Filter 2.0 Volts.(RMS) 96 Hrs.
12.	Polarity	Diaphragm shall move Forward when Apply a Positive DC.
		Current to the "+" or "Marked" Terminal.

MOUNTING NOTICE



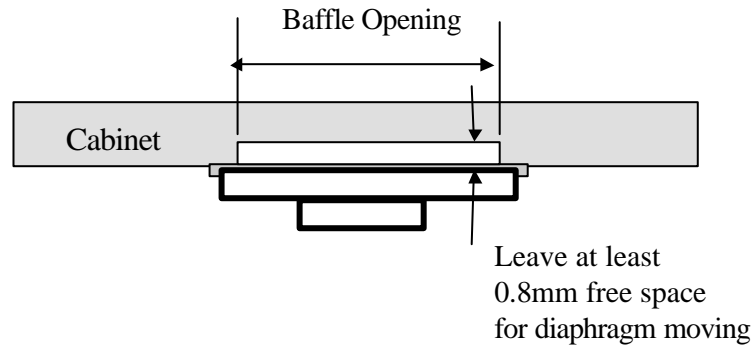
Unit : mm

Housing Material : ABS

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.

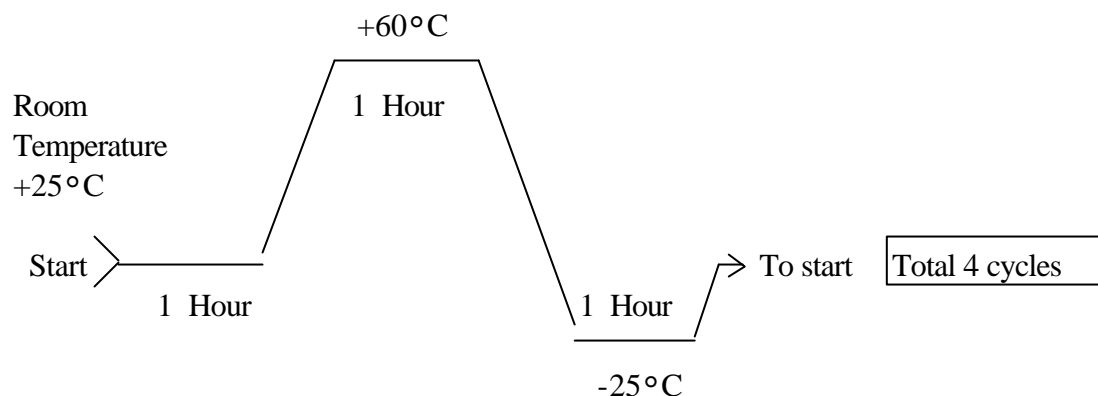
After exposure the speaker in the $+ 60 \pm 2$ °C chamber for 96 hours, then leave the speaker at room temperature for 1 hour, the SPL should not deviate by ± 3 db, and resonant frequency should not deviate by ± 50 Hz, compare with pre-test measurement.

3. Environment test - Low temperature.

After exposure the speaker in the $- 25 \pm 3$ °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.



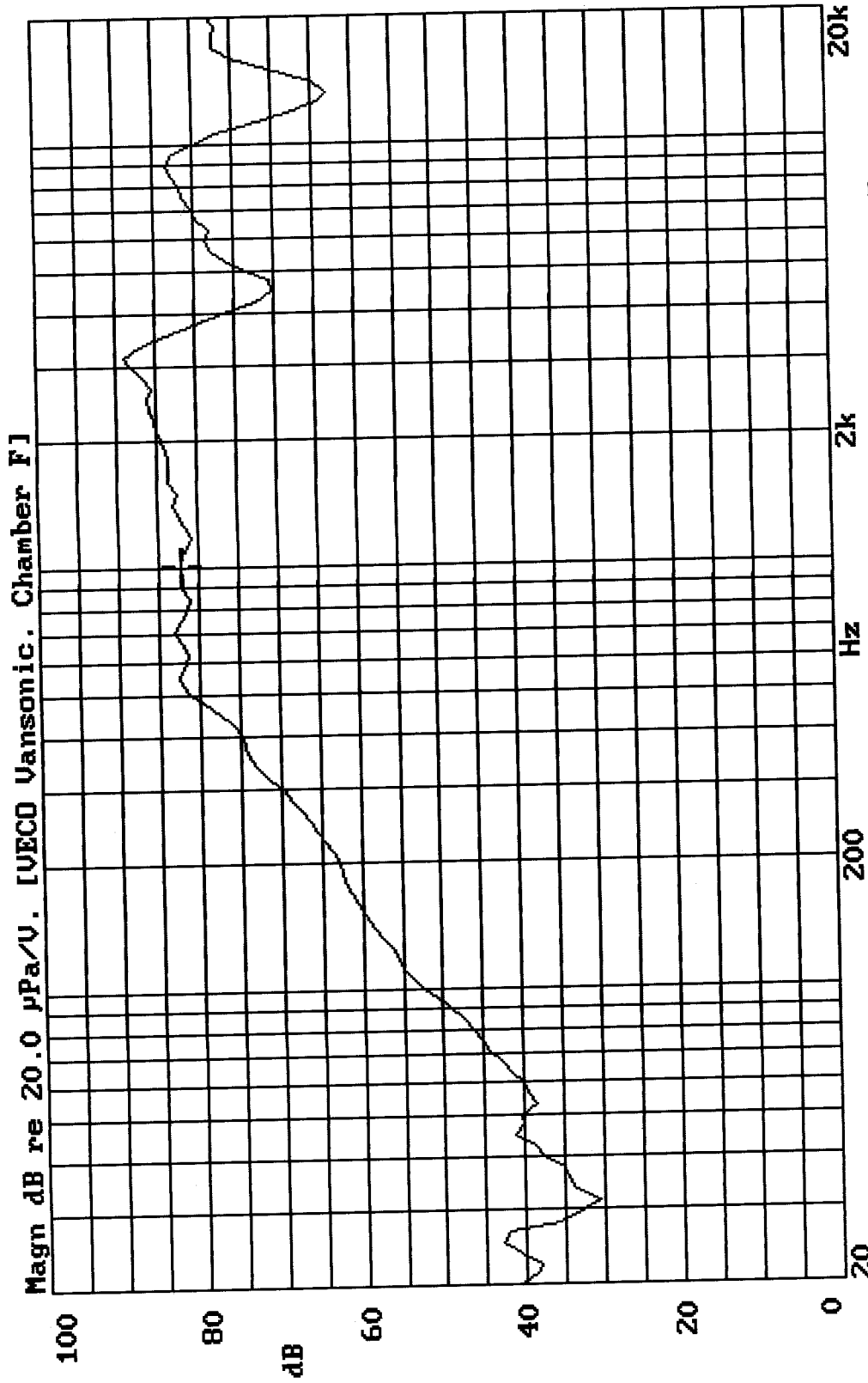
5. Environment test - Humidity.

After exposure the speaker in the $+ 40 \pm 2$ °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), 96 hours.

P28CS08GQ-1-38ND VOL:2.0V(0.5W) DIS:0.5M VANSONIC SSR Fund.
X:1.0000kHz *Y:82.26dB ZA:1.0000



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Mode: SSR