

承認書

SPECIFICATION FOR APPROVAL

客戶(Customer):

客戶料號(Customer P/N):

样品編號(Supplier P/N):

機種型號(Model No.):

5012CM08R

品名(Description):

Waterproof speaker

規格(Specification):

50mm inner magnet 8ohm 2W ROHS

客戶承認欄 (Customer Authorization Signature)	供應商 (Supplier Audit)		
	審核	檢查	作成
		John	Leo
日期: 2016 年 07 月 14 日 版次: A0			

廈門聲播客電子科技有限公司

Xiamen Sound Buzzer Technology Co.,Ltd

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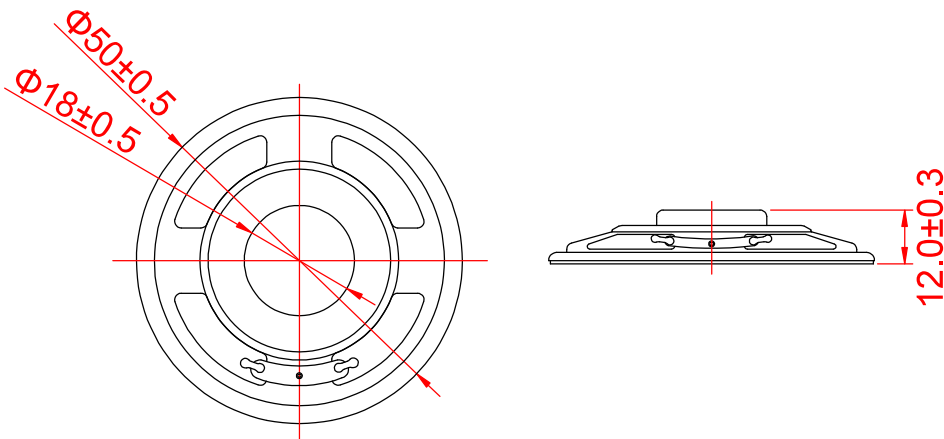
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1	Model	5012CM08R
2	Dimension	Outline Dimension Shall Be As Shown In Fig(1).
3	Weight	Approx 16 Grams.
4	Magnet	Materials Nd-Fe-B
5	Impedance	$8 \pm 15\%$ ohm At 1000Hz/1v.
6	Power Rating	Normal 2.0W. Maximum 2.5W.
7	Lower Resonant Frequency	$500 \pm 20\%$ HZ
8	Output Sound Pressure Level (S.P.L)	$99 \pm 3\text{db}$ /1 Watt, 0.1Meter. At 800, 1000, 1200, 1500Hz. Measurement Method Shown In Fig(2).
9	Frequency Range	F300~3KHz. Average SPL-10db. Shown In Fig(3).
10	Distortion	5% Maximum At 1000Hz. 2.0W.
11	Abnormal Sound Test	Must Be Normal By 4.0 Volts. Sine Wave.
12	Polarity	Diaphragm Shall Move Forward When Apply a Positive DC Current To The “+” or “marked” Terminal.
13	Operating Temperature	-20°C to +50°C
14	Storage Temperature	-25°C to +55°C



Unit:mm Tolerance: ± 0.3

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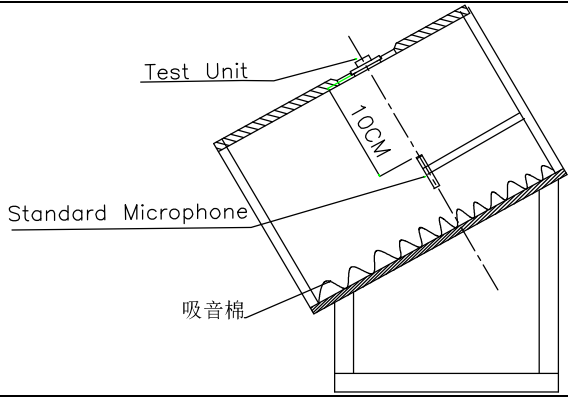
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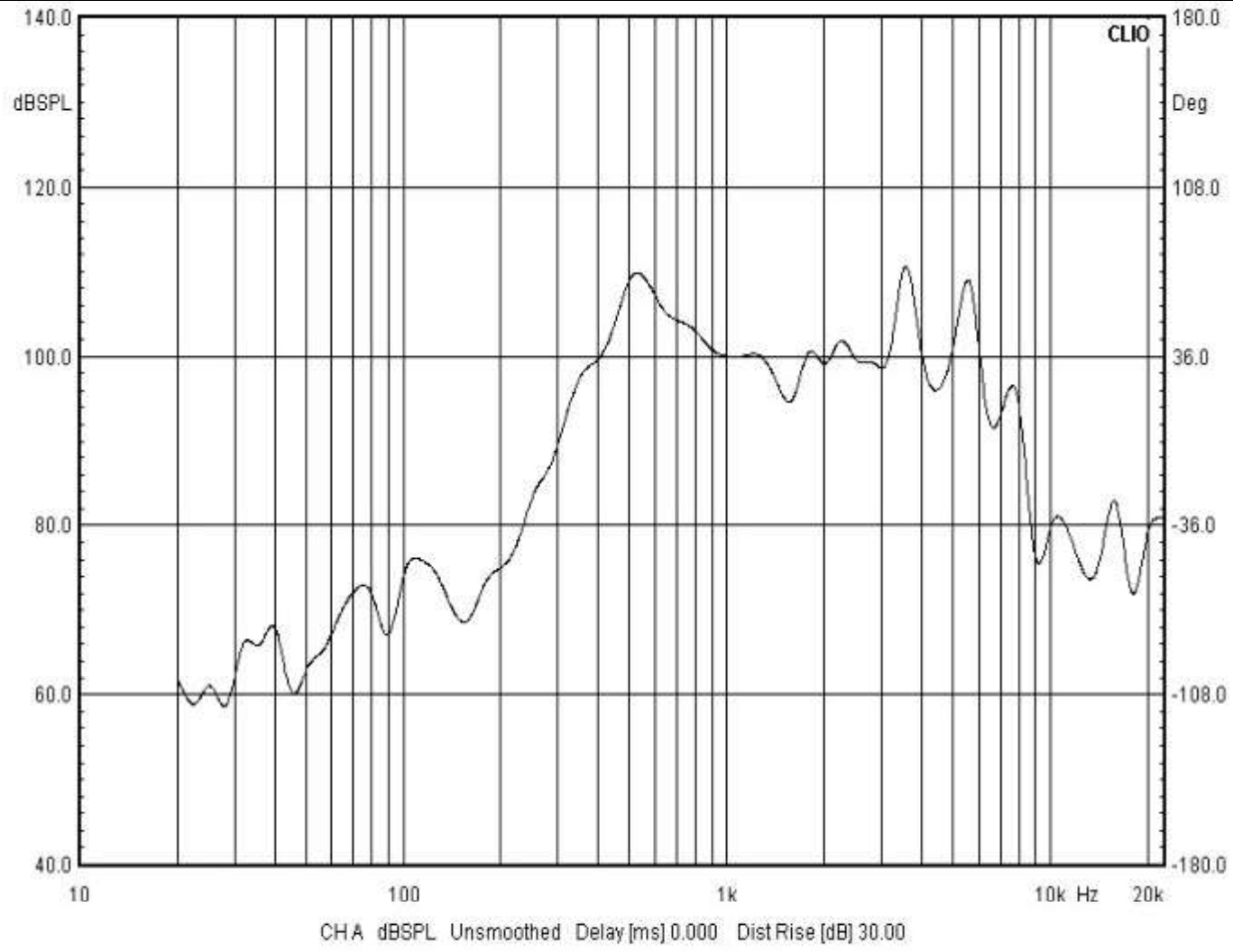
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Test baffle Diagram



Frequency Response Fig(3).



impedance curve Fig(4).

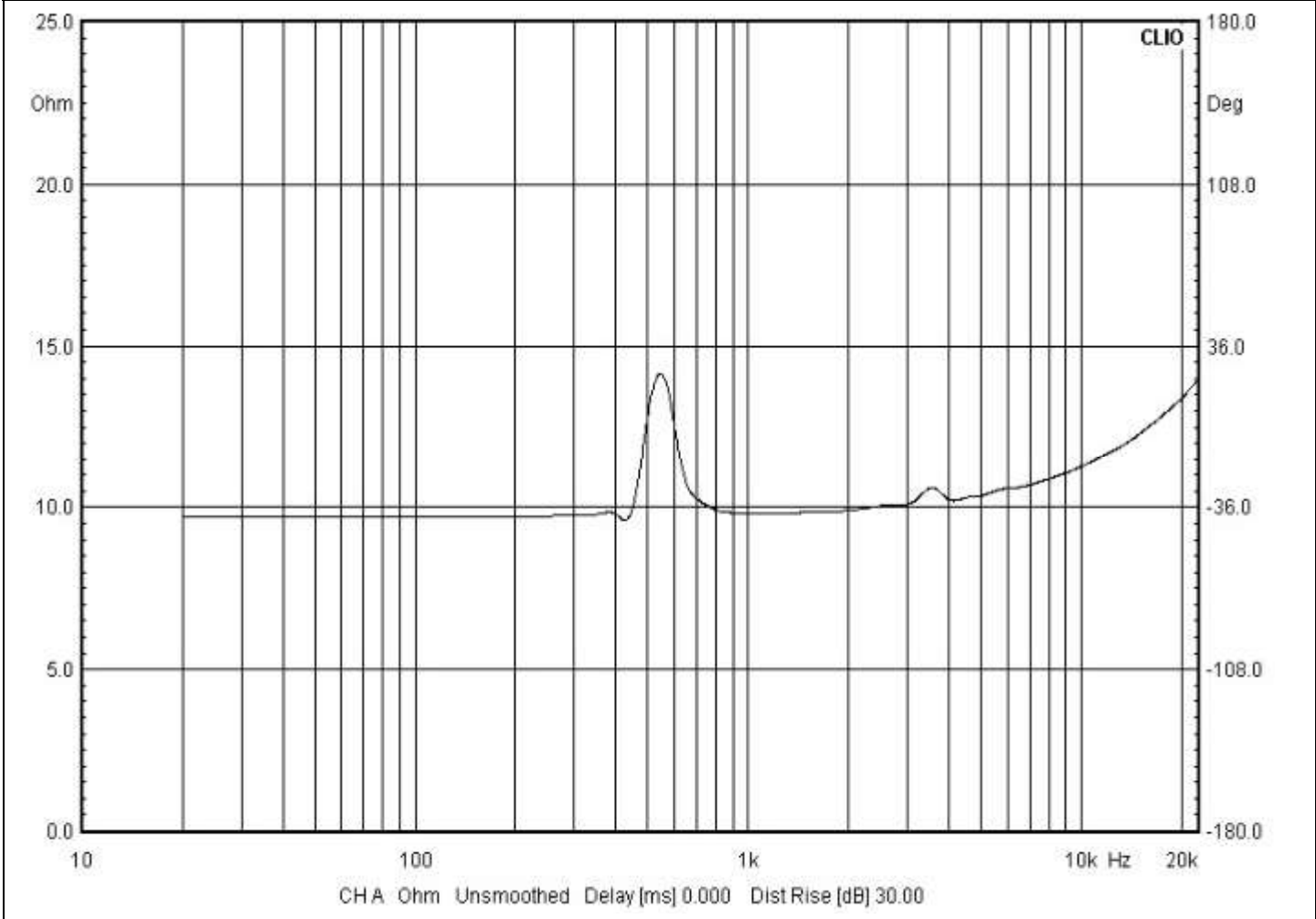
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Reliable Test

After any following test leave speakers at room temperature for 1 hour, SPL shall not deviate by ± 3 db from initial value

15-1	Load Test	White noise for 24 hours at 2.0 W input power.
15-2	High Temperature Test	+50 $\pm$ 2 $^{\circ}$ C 24hours
15-3	Low Temperature Test	-20 $\pm$ 2 $^{\circ}$ C 24hours
15-4	Humidity Test	+40 $\pm$ 2 $^{\circ}$ C relative humidity 90~95%R.H 24hours
15-5	Vibration Test	Frequency 30 $\pm$ 15 Hz, Amplitude 1.5 mm for 2 Hours per axis(x. y. z axis)
15-6	Drop Test	75 CM free falling on Concrete floor, 10 times.
15-7	Temperature Cycle test	-20~ + 50 $^{\circ}$ C 5 Cycles Temperature test.