

規格承認書

PECIFICATION FOR APPROVAL

客 戶

CUSTOMER : _____

項 目

ITEM : 腔体喇叭带线 _____

型 號

TYPE : GSPK523014BOX-4R3W-L125-1.25T _____

描述

DESCRIPTION : 68.1*30.5*14 mm 4Ω 3-3.5W S.P.L: 97dB+/- 3dB _____

客戶料號

CUSTOMER NO. : _____

規 格 書 號

SPECIFICATION NO.: _____

版 本

EDITION NO. : V1.0 _____

日 期

DATE : 2026-6-30 _____

客戶承認

CUSTOMER CONFIRM AND SIGN

檢查 TESTED BY	審核 CHECKED BY	承認 APPROVED BY

東莞市贏海電子有限公司/珠海市贏梵电子有限公司

DONGUAN INGHAI ELECTRONICS CO.,LTD

製作 ISSUED BY	審查 CHECKED BY	確認 APPROVED BY
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A、SCOPE 范围

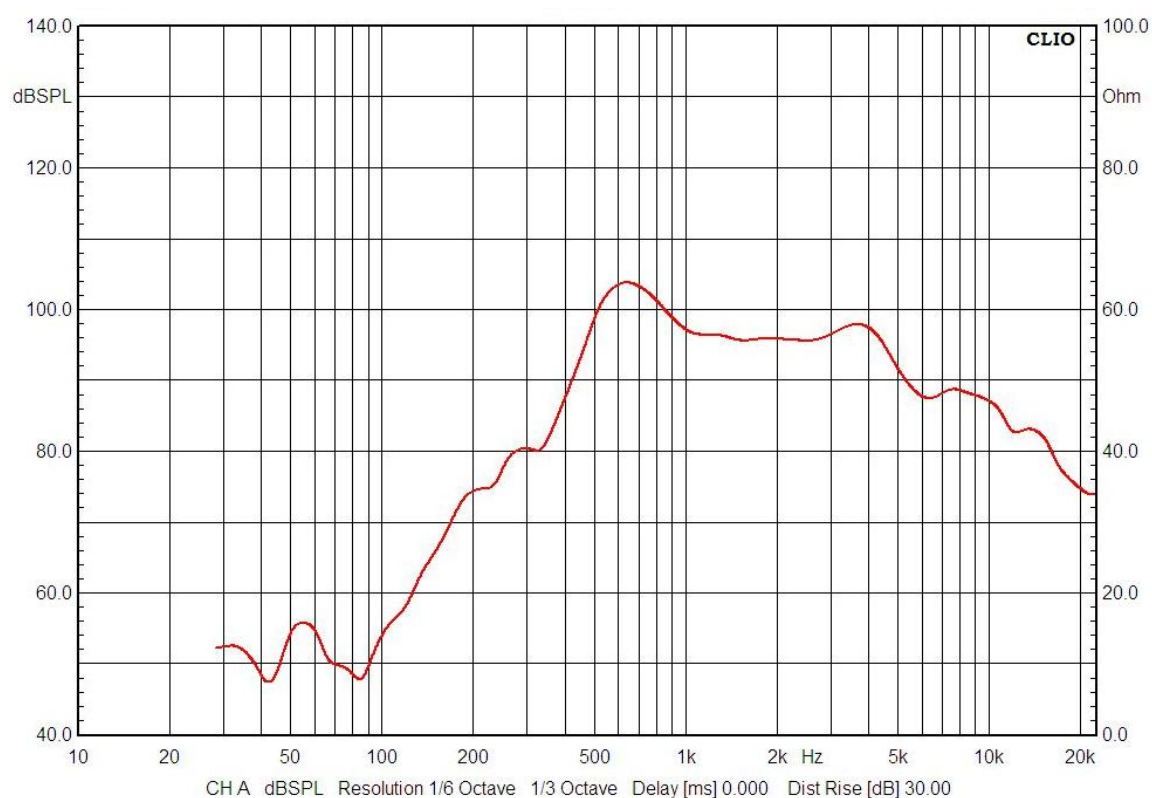
This specification applies speaker, GSPK523014BOX-4R3W-L125-1.25T

B、SPECIFICATION 规格

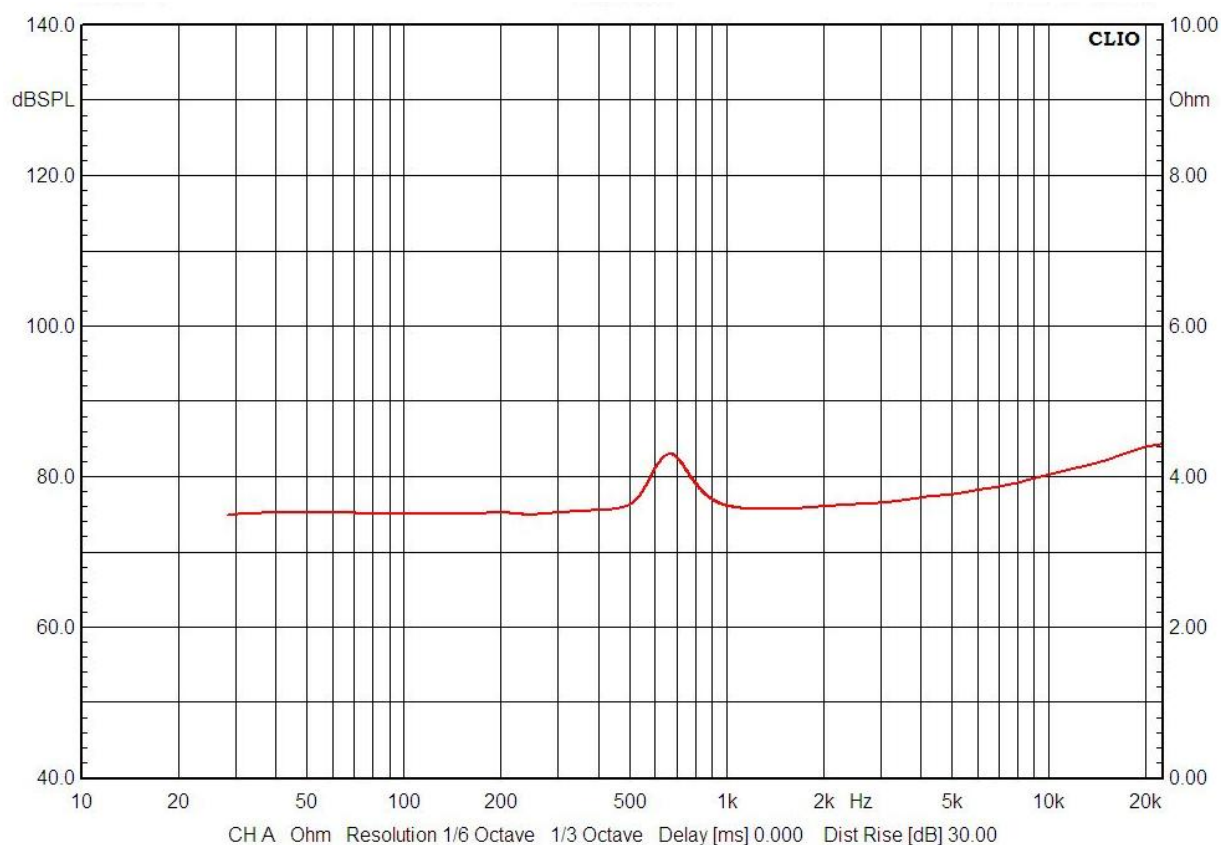
(GENERAL)

1	Size	L68.1mm *W30.5mm*H14mm
2	Power Rating	RATED POWER INPUT 3.0W MAX POWER INPUT 3.5W
3	Impedance	4 Ohm $\pm 15\%$ at 1kHz 3.45 V
4	Resonance Freq	680 Hz $\pm 20\%$ at 3.45 V
5	S.P.L	97 ± 3 dB/0.1m /3.45V at 0.8KHz,1KHz, 1.2KHz,1.5KHz,2KHz, average
6	Response	Fo—20 KHz, deviation -10dB max.
7	Distortion	Less than 10 % at 1KHz 3.45V/10cm
8	Magnet	Nd-Fe-B
9	Operation Test	Must be normal at program source 3.45V
10	Polarity	When a positive D.C voltage is applied to the terminal Marked(+) or red the diaphragm should move to the front.
11	Terminal Strength	Capable of withstand a 500g load for 3 sec. Without resulting in any damage or rejection.
12	Terminal Soldering Test	Speaker shall continue to operate after 10 sec. Stabilization test condition Suppling lead wire and solder on the terminal board and maintaining for 2seconds at temperature of 290—320 $^{\circ}$ c by hand iron
13	Appearance	Should not exist any kind of obstacle to be harmful to normal operation, not any remarkable damages, cracks, rust and distortions which may cause malfunction.
14	Marking	
15	Envirnmental Protection Regulation	ROHS

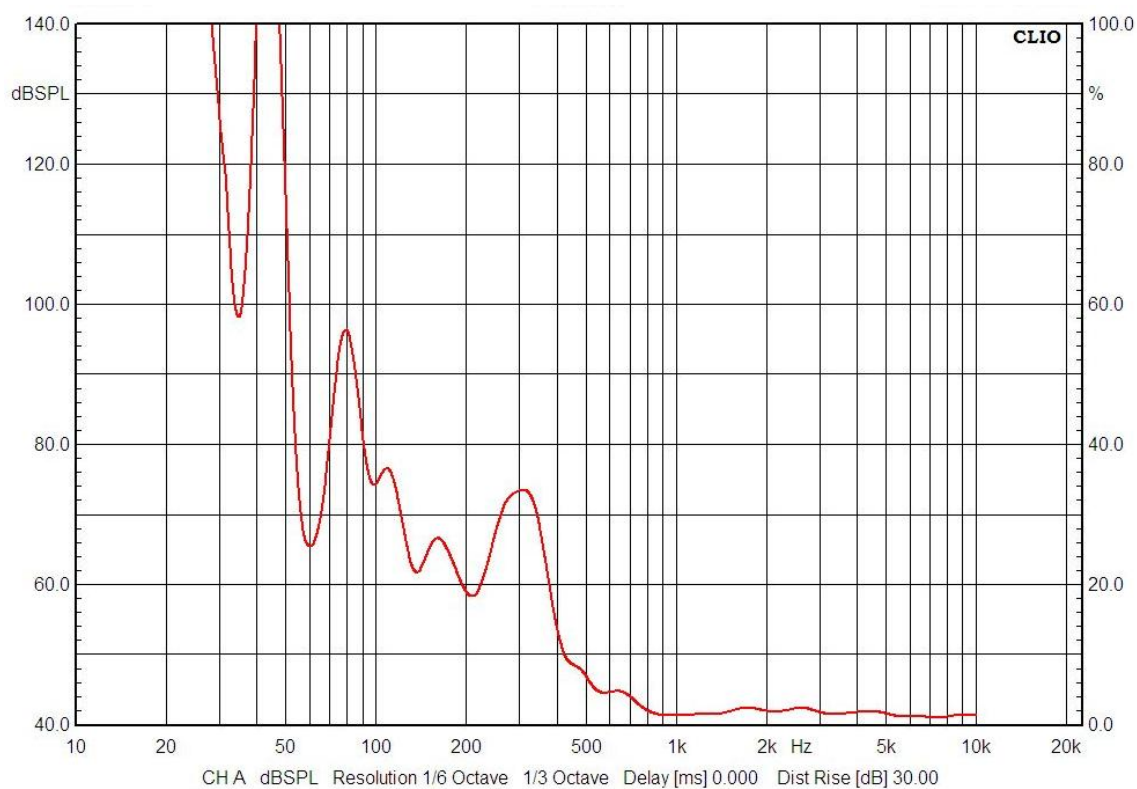
C、TYPICAL FREQUENCY RESPONSE CURVE 频率响应曲线



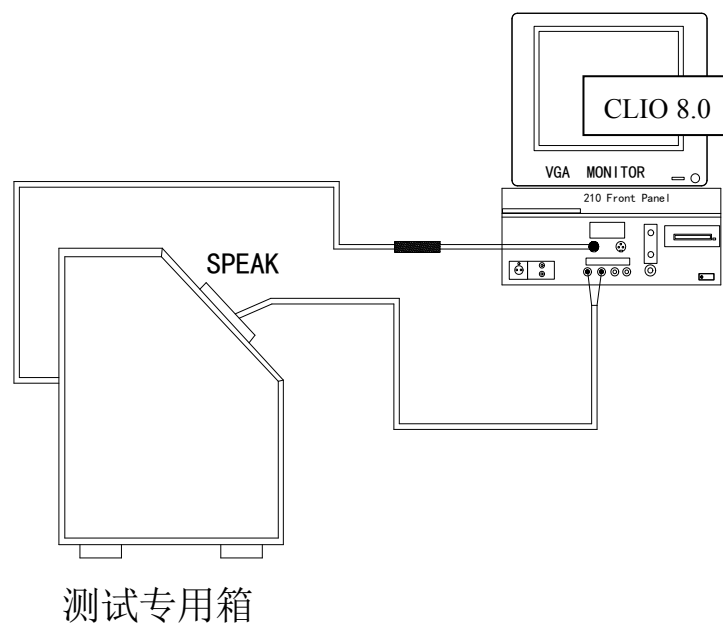
D、Impedance 阻抗曲线



E、THD 失真曲线



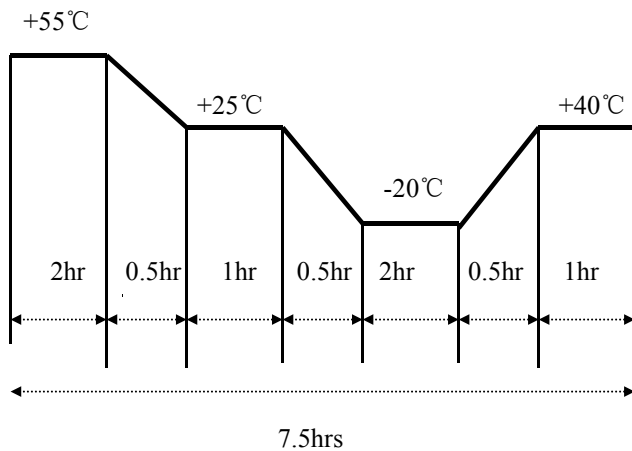
F、MEASUREMENT CIRCUIT 测量线路



G、MECHANICAL CHARACTERISTICS 机械特性

NO	Item	Test condition	Evaluation standard
1	Vibration Test	Speaker shall be measured after being applied vibration of amplitude of 1.5mm with 10 to 55Hz band of vibration frequency to each of 3 perpendicular directions for 2 hours.	No obstacle to be harmful to normal operation ; Damages,cracks,rusts and distortions. Should not be audible at 3.45V sine wave between FO~4.0kHz
2	Drop Test	Drop the speakers contained in normal box onto the board 40mm thick 10 times from the height of 75cm	

H、ENVIRONMENTAL TEST 环境试验

No.	Item	Test conditions	Evaluation standard
1	High temp. test	After being placed in a chamber at +55℃ for 96 hours.	Being placed for 6 hours at +25℃,receiver shall be measured. No obstacle to be harmful to normal operation ;damages, cracks, rusts and distortions, should not be audible at 3.45Vsine wave between Fo~4.0KHz. S.P.L. deviation of unit should be within ±3dB.
2	Low temp. test	After being placed in a chamber at - 25℃ for 96 hours.	
3	Humidity test	After being placed in a chamber at +40℃ and 90±5% relative humidity for 96 hours.	
4	Temp. cycle test	The part shall be subjected to 6 cycles. One cycle shall be consist of :  The diagram illustrates a temperature cycle test profile. It starts at +55°C for 2 hours, followed by a 0.5-hour ramp down to +25°C, which is held for 1 hour. Another 0.5-hour ramp leads to -20°C, held for 2 hours. A 0.5-hour ramp then leads to +40°C, held for 1 hour. The total duration of one cycle is 7.5 hours.	

I、RELIABILITY TEST 信赖性试验

NO	Item	Test conditions	Evaluation standard
1	Load test	3W pink noise is applied for 24 hours,at room temp.	Being placed for 1 hours at +25 °C ,speaker shall be measured,No obstacle to be harmful to normal operation;damages,cracks,rusts,etc.should not be audible at 3.45v sine wave between Fo~4.0KHz.Fo should meet intial one.S.P.L.deviation of unit should be within $\pm 3\text{dB}$

TEST CONDITION

Standard Test Condition : a) Temperature: $+35\pm 2^{\circ}\text{C}$ b) Humidity: 45~85% c) Pressure: 860-1060mbar
Judgement Test Condition: a) Temperature: $+25\pm 2^{\circ}\text{C}$ b) Humidity: 60-70% c) Pressure: 860-1060mbar

J、APPEARANCE DRAWING 外观尺寸图 (Unit: mm)

