

規格承認書

PECIFICATION FOR APPROVAL

客 戶

CUSTOMER : _____

項 目

ITEM : 腔体喇叭带线 _____

型 號

TYPE : GSPK4022BOX-4R3W-L200-2.0T _____

描述

DESCRIPTION : 40.5*40.5*22mm 4Ω 3-5W S.P.L: 78dB+/- 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
周明	刘承成	

地址：广东省珠海市金湾区红旗镇金荷路 568 号广东科学双创园

電話 / TEL:

網址: [HTTP://WWW.INGHAI.COM](http://www.inghai.com)

制 品 规 格 书

SPEAKER SPECIFICATION

一、适用范围

Applicable Scope (this kind of specification is applied in multi-media)

1.1 类型 Type	Permanent-magnet dynamic loudspeaker
1.2 寸法 Dimensions	outer diameter40.5*40.5mm High22mm
1.3 输入功率 Input power	Rated power3W;Maximum power5W

二、机械特性

Mechanical Speciality

2.1 外观尺寸 Appearance Dimensions	See Product drawing

三、电气特性

Electrical Speciality

3.1 标称阻抗 Nominal Impedance	4Ω±15% At 1000 Hz test
3.2 直流阻抗 DC Impedance	3.4Ω±10%
3.3 最低共振周波数 Lowest Resonance Frequency	220 Hz±20%
3.4 灵敏度 Output Sound Pressure Level	78± 3 dB / 0.1 W/890 mv 10 cm Average at1000, 1200, 1500, 2000 HZ
3.5 有效频宽 Effective Frequency Band	FO~20KHz Average SPL-10 dB
3.6 失真率 Distortion	5% Maxium at 1000 HZ 0.1W/0.1M
3.7 纯音检测 Pure tone Test	Must be normal at sine wave3.5V at 220Hz ~ 5KHz
3.8 极性 Polarity	When a positive current is supplied from the speaker the terminal marked (+) and a negative to the other terminal the diaphragm must move toward the front.

批准 Approve		审核 Check		制成 Execution	
---------------	--	-------------	--	-----------------	--

制 品 规 格 书
SPEAKER SPECIFICATION

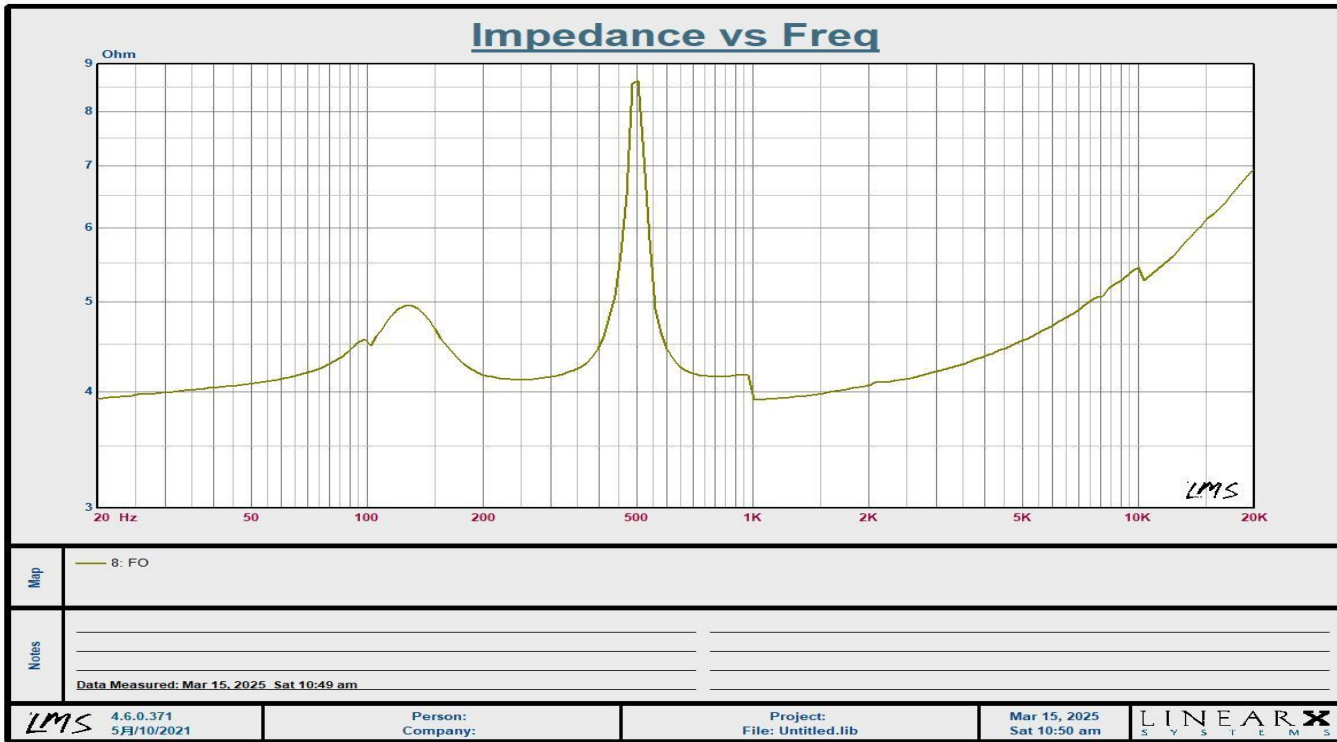
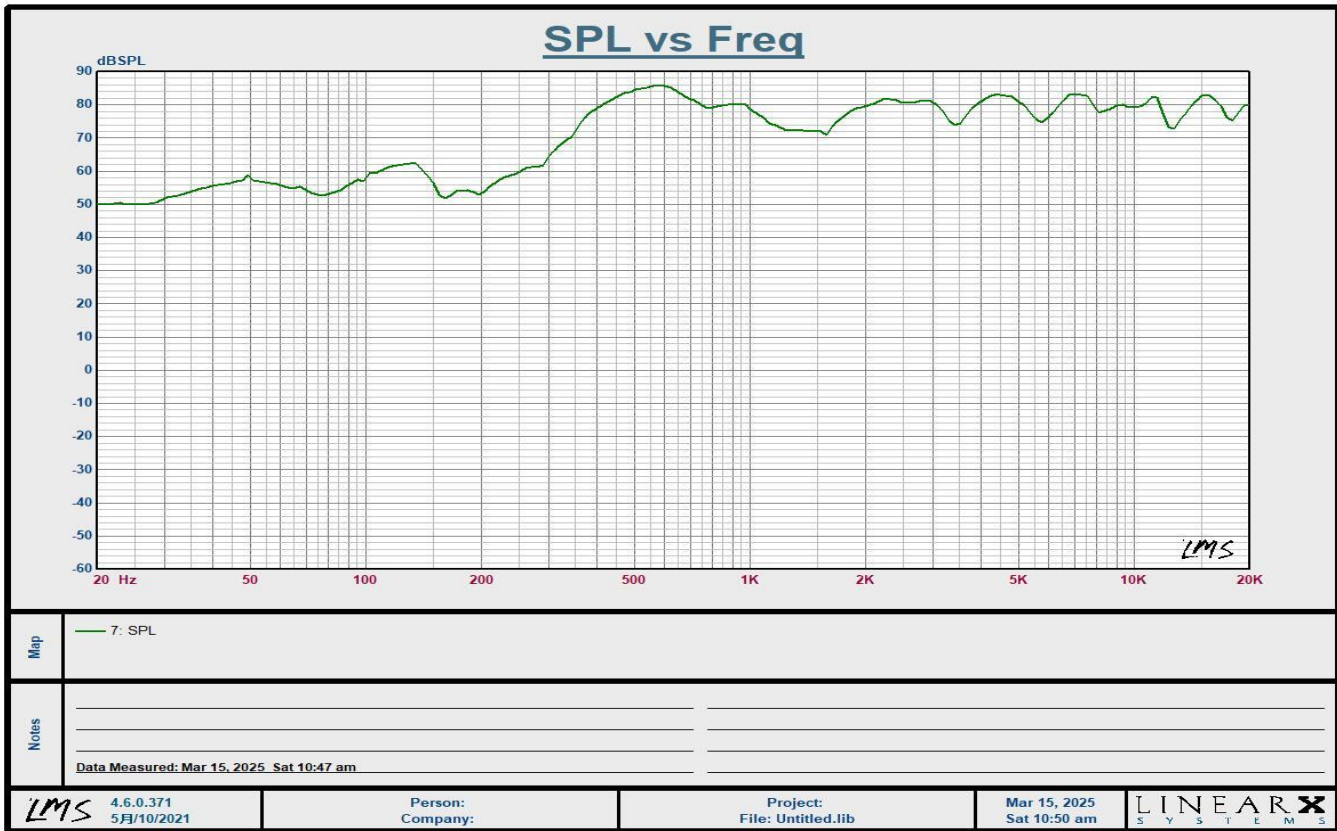
四、信赖性
Reliable Test

4.1 连续负荷 Load Test	Use Sunlilab-Model-8121c white noise signal 3W 12 Hour After the test should be able to meet the requirements of section 3.7 There shall be no distinct deformation in appearance.
4.2 高温保存 High-temperature preservation	Temperature of $65\pm 2^{\circ}\text{C}$ humidity of 20~30% for 96 hour at room temperature the shelving of 1 hour the test no abnormal adverse
4.3 低温保存 Low-temperature preservation	Temperature of $-25\pm 2^{\circ}\text{C}$ for 96 hour, at room temperature the shelving of 1 hour the test no abnormal adverse
4.4 高温动作 High-temperature operation	Temperature of 50°C humidity of 20~30% work 16 hours at room temperature the shelving of 1 hour test no abnormal adverse
4.5 低温动作 Low-temperature operation	Temperature of -20°C work 16 hours at room temperature the shelving of 1 hour test no abnormal adverse
4.6 耐湿性 Humidity Test	Temperature of $40\pm 2^{\circ}\text{C}$ humidity of 90~95% for 96 hour at room temperature the shelving of 1 hour the test no abnormal adverse
4.7 温/湿度循环试验 Compositetemperature/humidity cyclic test	Refer to JIS C 60068-2-38 The loudspeaker shall be subjected to 10 continuous cycles the loud speaker shall be stored at standard atmospheric conditions for 6 H for recovery After the test should be able to meet the requirements of section 3.7 There shall be no distinct deformation in appearance.
4.8 振动测试 Vibration test	To be no interference in operation after vibration 10HZ~55HZ for 1 minute full amplitude 2mm for 8hours at X,Y,Z, three axes After the test should be able to meet the requirements of section 3.7 There shall be no distinct deformation in appearance.
4.9 跌落测试 Drop test	Packaging The speaker from height 60 CM Down to concrete floors 。 in five directions Trial one cycles After the test should be able to meet the requirements of section 3.7。

五、磁束密度
Flux Density

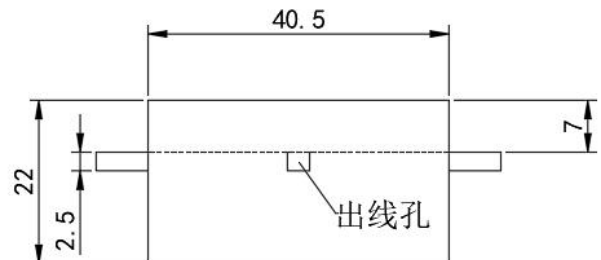
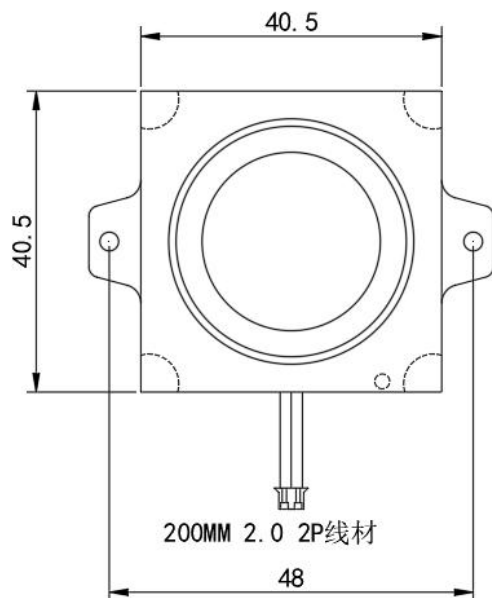
5.1 磁束密度 Flux Density		Gauss			
5.2 磁 铁 Magnet		Nd-Fe-B: /15.5*4+12.5*2 Ferrite: /			
5.3 重 量 Weight		26 ±1/ G			
批准 Approve		审核 Check		制成 Execution	

频响曲线图
Frequency response curve

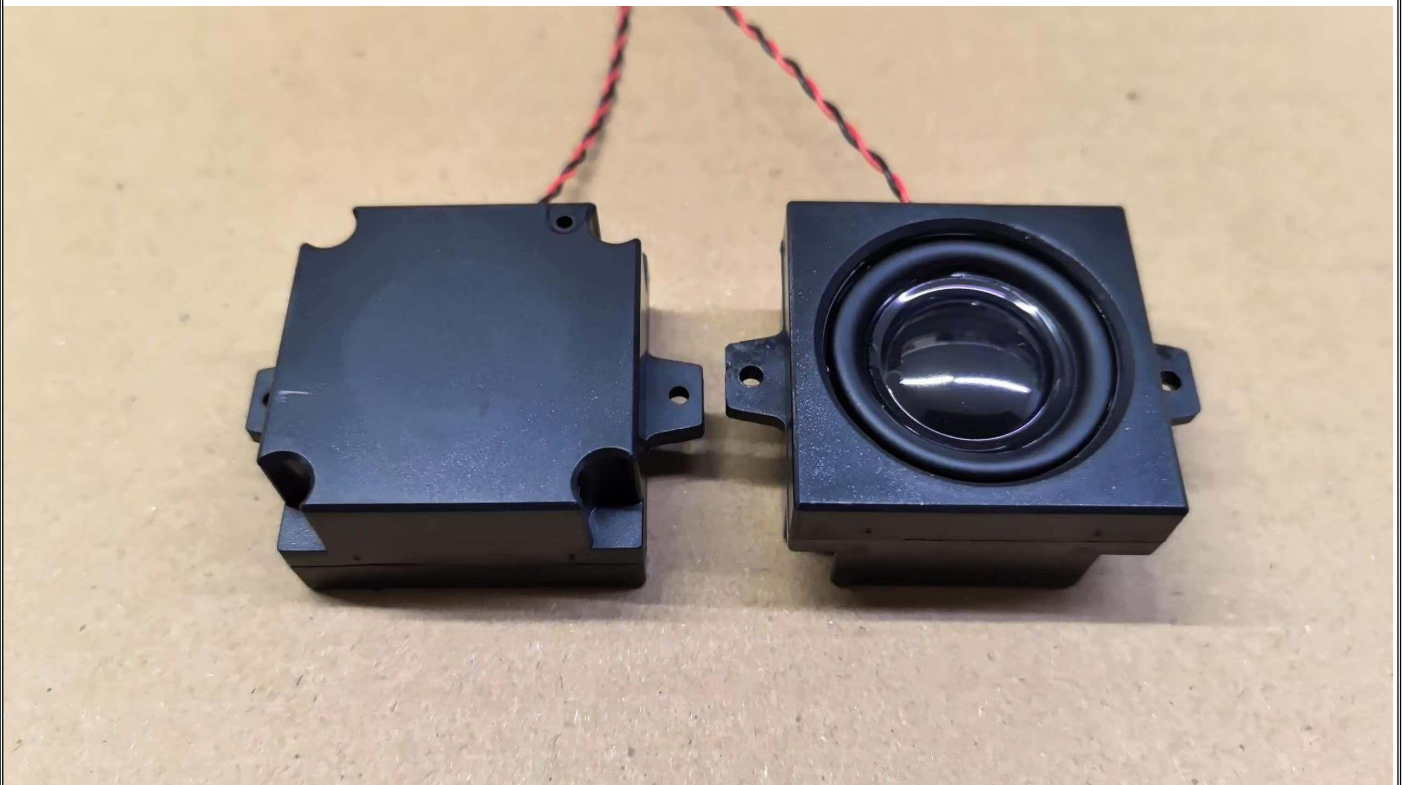


批准 Approve		审核 Check	将强	制成 Execution	阮欣
---------------	--	-------------	----	-----------------	----

产品外形图
Outline example



单位: mm (毫米)
宽度 $\pm$: 0.5mm
高度 $\pm$: 1mm
线长 $\pm$: 5mm



批准
Approve

审核
Check

制成
Execution