

# SPECIFICATION FOR APPROVAL

## 规格书

Customer ( 客户名称 ): \_\_\_\_\_

Customer P/N(客户编号): \_\_\_\_\_

Our P/N (本厂编号): \_\_\_\_\_ FS70GS08100-H21.7-R01 (号角高音、防水)

Approval Date(日期): \_\_\_\_\_ 2025-04-014

Environment Request(环境标准):

☐ Non-RoHS (非 RoHS 标准)

☒ RoHS (RoHS 标准)

☐ REACH (REACH 标准)

☐ Others (其他)

CUSTOMER'S APPROVED SIGNATURE



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|           | DESINGER | CHECKED | APPROVED |
|-----------|----------|---------|----------|
| SIGNATURE |          |         |          |
| DATE      |          |         |          |

Alteration History

变更历史

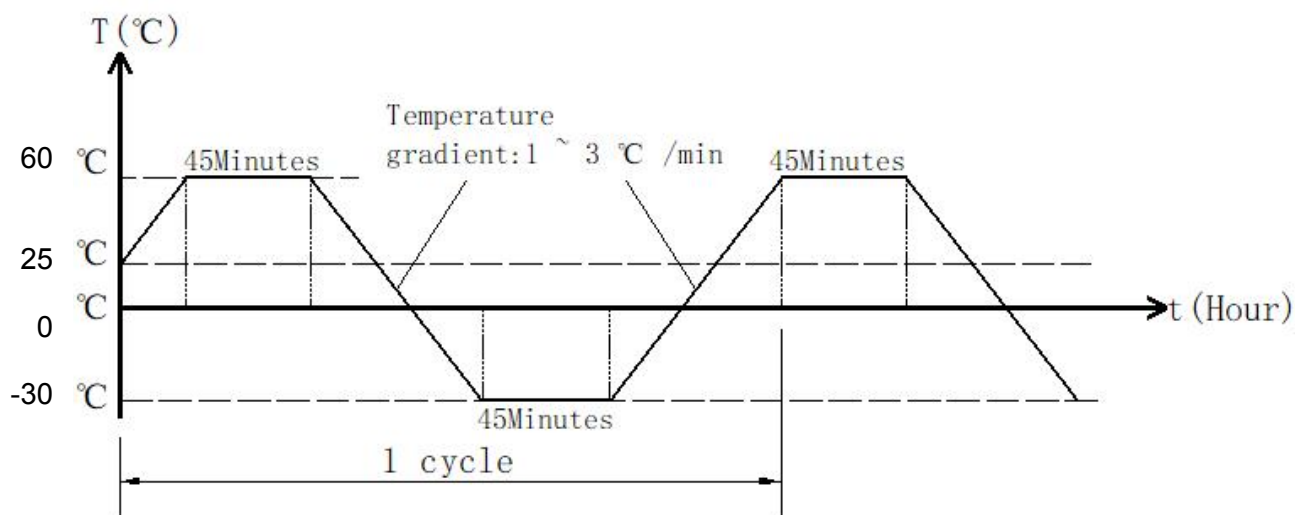
| Note<br>序号 | Date<br>日期 | Detail changes<br>变 更 内 容 | Reason<br>变更理由 | Revision<br>变更表示 |
|------------|------------|---------------------------|----------------|------------------|
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## Speaker Specification

|          |                                |                                                                              |                                                                                     |                         |
|----------|--------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------|
| Part No. | Customer No<br>客户型号            |                                                                              | Customer code<br>客户编号                                                               |                         |
|          | Our Part No<br>本厂编号            | FS70GS08100-H21. 7-R01（号角高音、防水）                                              |                                                                                     | Revision<br>版本<br><br>A |
| No.      | Item<br>项目                     | Specification<br>规格                                                          | Testing Condition<br>测试条件                                                           |                         |
| 1.       | Rated Imp<br>共称阻抗              | 8.0Ω±15%                                                                     | At 3000Hz 1.0Vrms                                                                   |                         |
| 2.       | Resonance Freq<br>最低共振周波数      | Fo: 1640Hz±20%                                                               | Without Baffle                                                                      |                         |
| 3.       | Output S.P.L.<br>出力音压          | 90.5±3dB                                                                     | At 0.1m1.0w f0~10.0KHz Average                                                      |                         |
| 4.       | Rated Power<br>额定功率            | At 10.0W                                                                     | at 8.94V rms                                                                        |                         |
| 5.       | Max Power<br>最大功率              | at 15.0W                                                                     | at 10.95V rms                                                                       |                         |
| 6.       | Frequency Range<br>实效频宽        | F0 ~20kHz                                                                    | Output S.P.L -10dB                                                                  |                         |
| 7.       | Operation<br>可靠性试验             | Must Be Normal at<br>Rated Frequency Range                                   | ProgramSource 10.0W<br>FO-10kHz ,2.2UF capacitor<br>in series                       |                         |
| 8.       | Buzzes & Rattles<br>异常音试验      | Should not be audible buzz<br>and rattle at Rated<br>Frequency Range<br>无异常声 | Sine Wave Between (正弦波入力 )<br>at 8.94Vrms / 500-10kHz,<br>2.2UF capacitor in series |                         |
| 9.       | T H D<br>失真                    | 10% Max                                                                      | Rated Power Input 2500Hz                                                            |                         |
| 10.      | Magnet<br>磁铁                   | Nd Fe B                                                                      |                                                                                     |                         |
| 11.      | Operating Temperature<br>动作温度  | -20℃ to +75℃                                                                 |                                                                                     |                         |
| 12.      | Storage Temperature<br>储存温度    | -30℃ to +85℃                                                                 |                                                                                     |                         |
| 13.      | IP(INGRESS PROTECTION)<br>防水等级 | IP67                                                                         |                                                                                     |                         |
| 14.      | Weight<br>重量                   | 64.5 g/PC                                                                    |                                                                                     |                         |

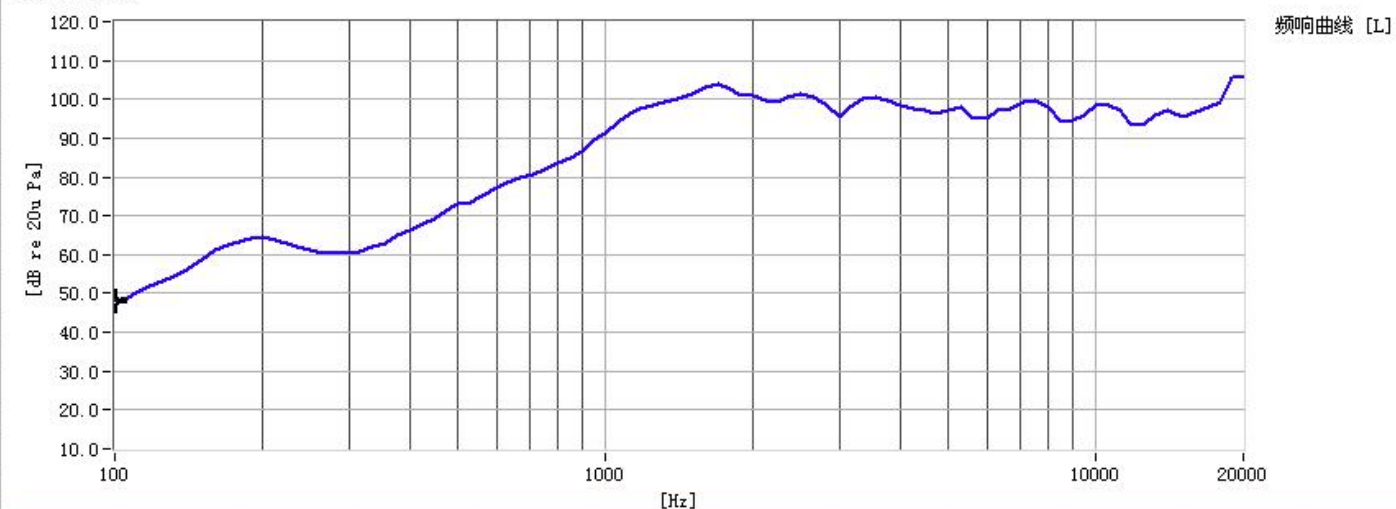
|     |                                       |                                                                                                                                                                                                                                                                                                                                  |
|-----|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 14. | Cold Test<br>耐寒试验                     | Must be normal after having been in a test chamber for 96 hours at the condition of $-30^{\circ}\text{C} \pm 2^{\circ}\text{C}$ and then left 2 hours in a room.<br>( $-30^{\circ}\text{C} \pm 2^{\circ}\text{C}$ , 96 小时试验室温两小时后, 无异常)                                                                                          |
| 15. | Heat Test<br>耐热试验                     | Must be normal after having been in a test chamber for 96 hours at the condition of $+60^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 90~95% R.H and then left 2 hours in a room.<br>( $+85^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 90~95% R.H 96 小时试验, 常温 2 小时后, 无异常的不良)                                                               |
| 16. | Load Test<br>连续负荷试验                   | Must be normal after load test :white noise, <b>2.2UF capacitor in series</b> , 10.0W , 96 hours. At rated frequency range<br>(白噪音 10.0W, 串联 <b>2.2UF</b> 电容, 连续 96 小时试验后无异常的不良)                                                                                                                                                 |
| 17  | Short Term Max Power test<br>瞬間最大功率试验 | , Test for 1 hour under maximum power. Input shall be white noise in rated frequency response. <b>2.2UF capacitor in series</b> , And the signal will be 1 second on, 59 seconds off, total 60 cycles at rated frequency range, Must be normal after the test<br>(白噪音 15.0W, 串联 <b>2.2UF</b> 电容 1 秒开 59 秒关, 连续 60 回合, 试验后无异常之不良) |
| 18. | Polarity<br>极性                        | When a DC source 's "+" polarity is attached to speaker's "+" polarity, "-" polarity is attached speaker's "-" polarity, the membrane will move forward. Red wire is "+" and the black wire is "-".<br>(红点为正极)                                                                                                                   |
| 19. | Drop Test<br>跌落试验                     | Drop the speakers contained in normal box onto a board 5mm thick 6 times from a height of 1.0m . Must be normal after the test<br>(在厚 5mm 的木板上从 1.0m 的高度跌落 6 次, 无异常不良)                                                                                                                                                           |
| 20. | 防水测试<br>Waterproof grade              | IT Should be IP67 Waterproofing                                                                                                                                                                                                                                                                                                  |

### Temperature Cycle Test(5 cycle)

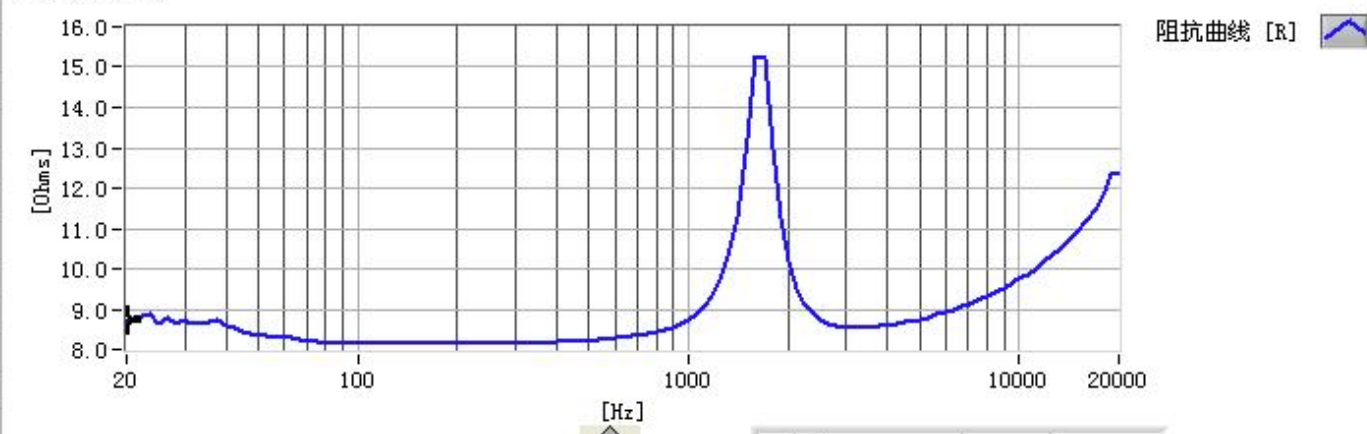


## Frequency Response

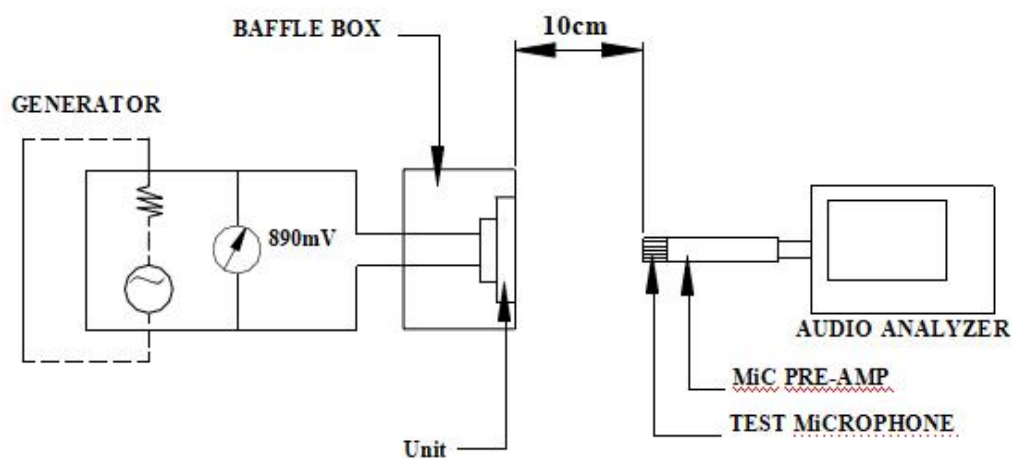
频响曲线



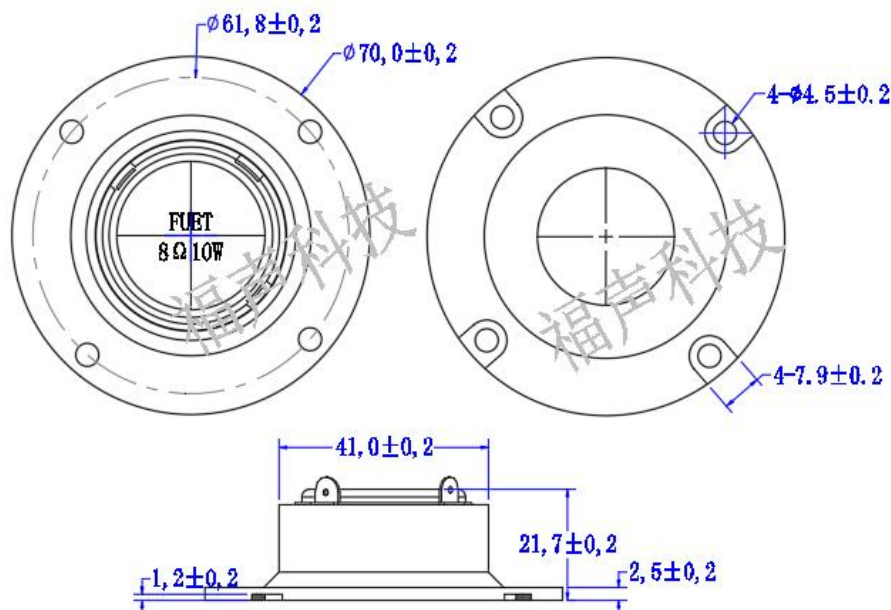
阻抗曲线



Outside View



## Product Outside View



注:1. 标示“\*”为重点检测尺寸;  
2. 未有说明, 则默认图示LOGO;  
3. 未注公差:  $\pm 0.2\text{mm}$

|                              |          |      |      |       |     |      |       |       |         |
|------------------------------|----------|------|------|-------|-----|------|-------|-------|---------|
|                              |          |      |      |       |     |      |       | 版本    | NO      |
|                              |          |      |      |       |     |      |       | DATE  |         |
| SEN                          | REVISION | NAME | DATE | SCALE | 1:1 | QTY  | 1     | UNIT  | ==      |
| Title: PS70GS08100-H21.7-R01 |          |      |      |       |     |      | PRINT | CHECK | APPROVE |
|                              |          |      |      |       |     | NAME |       |       |         |

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Title: FS70GS08100-H21.7-R01

| DECLARATION: |               |                 |
|--------------|---------------|-----------------|
| PART NO:     | PART NAME 名称  | MATERIAL 材质     |
| 1、           | Faceplate 面板  | ABS             |
| 2、           | Frame 支架 (中坐) | ABS             |
| 3、           | Plate 华司      | SPCC            |
| 4、           | Magnet 磁铁     | Nd Fe B         |
| 5、           | Diaphragm 音膜  | PEI             |
| 6、           | Voice Coil 音圈 | aluminum+PECCAW |
| 7、           | Terminal 接线板  | SPCC            |

Note :Accord With RoHS2.0 Standard