# 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)：　FS3313DR0401-H3.55-R01-R

Approval Date(日期)：　2026.10.26

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

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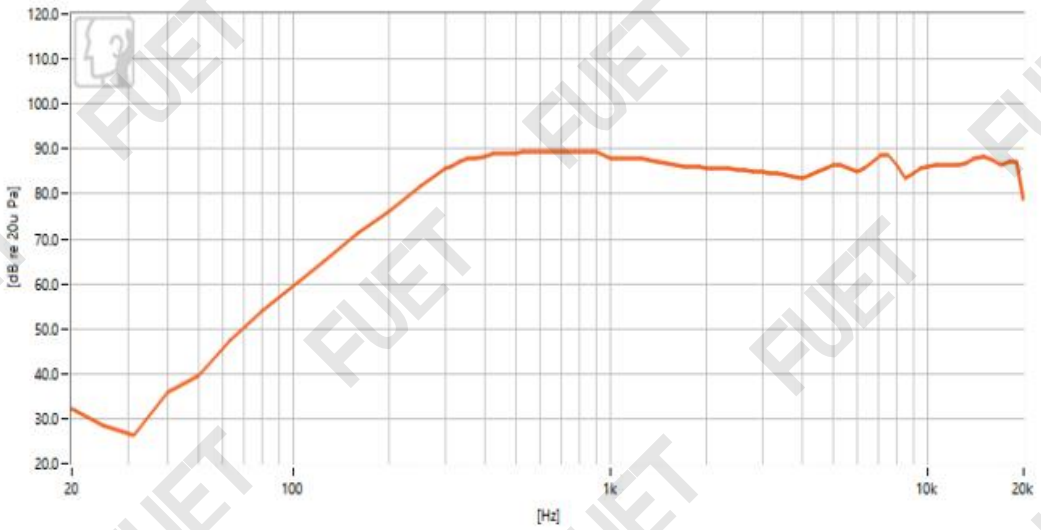
|---|---|---|---|---|
| Part No. | Customer No<br>客户型号 | | Customer code<br>客户编号 | |
| | Our Part No<br>本厂编号 | FS3313DR0401-H3.55-R01-R | Revision<br>版本 | A |

| No. | Item<br>项目 | Specification<br>规格 | Testing Condition<br>测试条件 |
|---|---|---|---|
| 1. | Rated Imp<br>共称阻抗 | 4 ohm±15% | At 1kHz |
| 2. | Resonance Freq<br>最低共振周波数 | 310 Hz±50% | Without Baffle |
| 3. | Output S.P.L.<br>出力音压 | 88±3dB | 100m W at 0.05 Meter. At 1000Hz. |
| 4. | Rated Power<br>额定功率 | at 100mW | at 0.63 Vrms |
| 5. | Max Power<br>最大功率 | at 120mW | at 0.693 Vrms |
| 6. | Frequency Range<br>实效频宽 | 20~20000Hz | Output S.P.L -20dB |
| 7. | Operation<br>可靠性试验 | Must Be Normal at Rated Frequency Range | ProgramSource100mW<br>FO~2kHz |
| 8. | Buzzes & Rattles<br>异常音试验 | Must be Normal Tested by 0.63 Volts | Sine wave for20~2kHz Sweep<br>Time : 0.5 second |
| 9. | T H D<br>失真 | 5% Max | At 1000Hz. 0.63Volts |
| 10. | Magnet<br>磁铁 | Nd Fe B | |
| 11. | Operating Temperature<br>动作温度 | -20℃ to +50℃ | |
| 12. | Storage Temperature<br>储存温度 | -25℃ to +55℃ | |
| 13. | Waterproof Level<br>防水等级 | / | |
| 14. | Weight<br>重量 | Approx \ Grams. | |

| | | |
|---|---|---|
| 15. | Cold Test<br>耐寒试验 | Temperature 温度:-25℃<br>Duration 持续时间:96 hours<br>Duration ofrecovery 复原持续时间:2hours at 25℃(room temp.)恢复 2 小时，25℃室温 |
| 16. | Heat Test<br>耐热试验 | Temperature 温度:55℃<br>Duration 持续时间:96hours96 小时<br>Duration ofrecovery 复原持续时间:2hours at 25℃(room temp.)恢复 2 小时，25℃室温 |
| 17. | Load Test<br>连续负荷试验 | Input power 输入功率:100mW(0.63V)<br>Noise Signal 噪声信号: White Noise 白噪声<br>Duration 持续时间:96hours<br>Duration ofrecovery 复原的持续时间:2hours,at25℃(room temp.)2 小时，25℃室温 |
| 18. | Short Term Max Power test<br>瞬间最大功率试验 | nput power 输入功率: 120mW<br>Noise signal 噪声信号: White NoiseDuration 持续时间:1min on,2min off,10 cycles<br>一分钟到两分钟，10 个周期 Duration ofrecovery 复原的持续时间:2hours,at 25℃(room temp.)2 小时，25℃室温 |
| 19. | Polarity<br>极性 | Diaphragm Shall Move Forward When Apply a Positive DC.Red “+” or“ Marked” Terminal 红色“+”或“标记” |
| 20. | Drop Test<br>坠落试验 | Height :0.75m 高度:0.75 米<br>Direction 方向:concrete surface in 3 direction each with 3 cycles.<br>混凝土 0.75M 表面 |
| 21. | Temperature Cycle Test<br>温度循环测试 | Temperature(℃)温度:25→50→50→25→-25→-25→ 25Duration 持续时间:each step for1 hour,5 cycles(30 hours)每个步骤 1 小时，5 个周期(30 小时)<br>Duration ofrecovery 复原持续时间:2hours at25℃(roomtemp.)恢复 2 小时，25℃室温 |

## Frequency Response



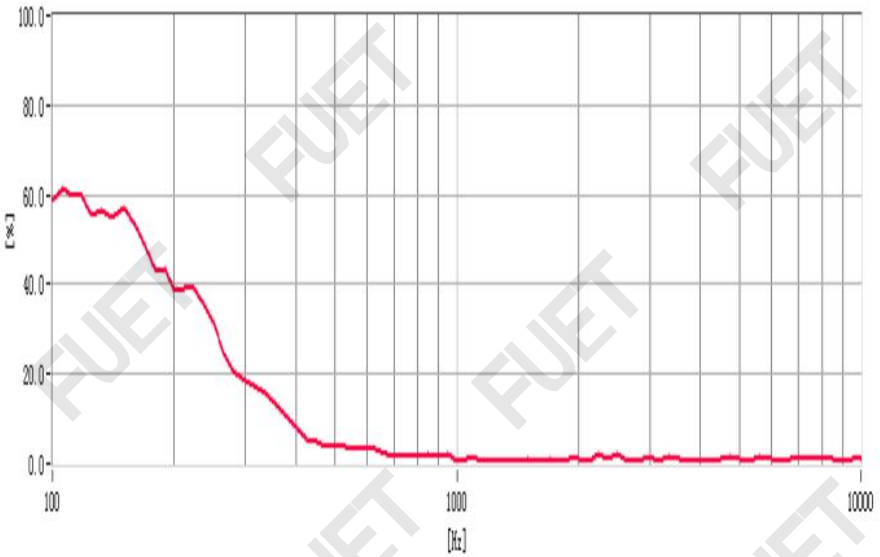

**Limits Data for FR:**

| 频率(Hz) | 500～800 | 801～2000 | 2001～5000 | 5001～8000 |
|---|---|---|---|---|
| 上限(dB) | 5.0 | 3.0 | 4 | 5.0 |
| 下限(dB) | -5.0 | -3.0 | -4 | -5.0 |

分档设定：以 1KHz(SPL): 88±3dB 进行分档：

| 档位 | 1000Hz(SPL) | 备注 |
|---|---|---|
| A | 88dB～91dB | 因临界值及仪器误差值存在，相邻档位允许串档，串档值最大为 0.8dB |
| B | 85dB～88dB | |

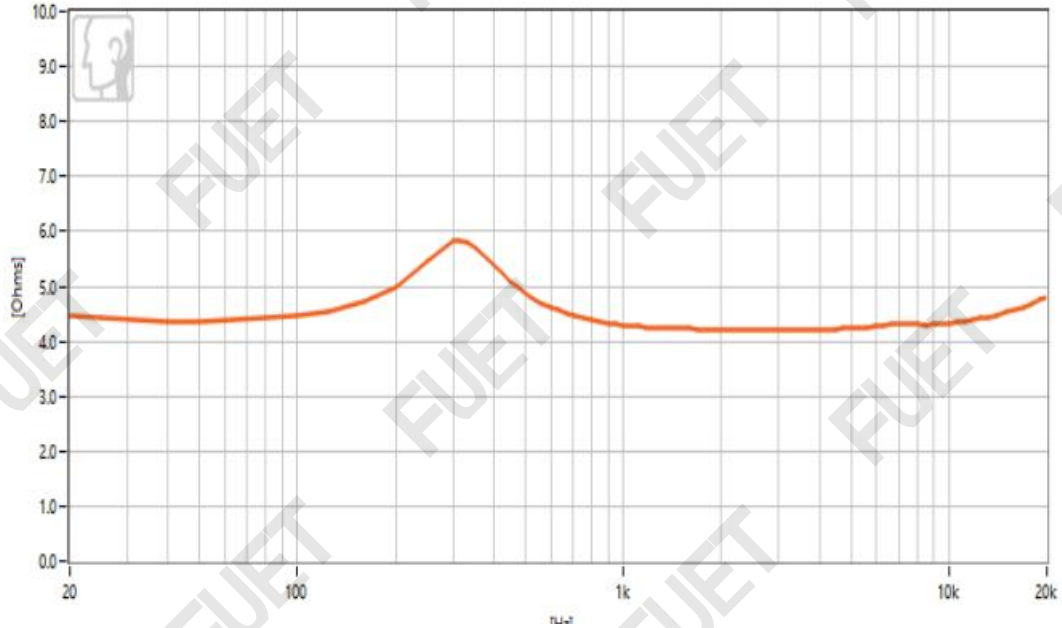
## Total Harmonic Distortion Curve




**Limit Date for THD:**

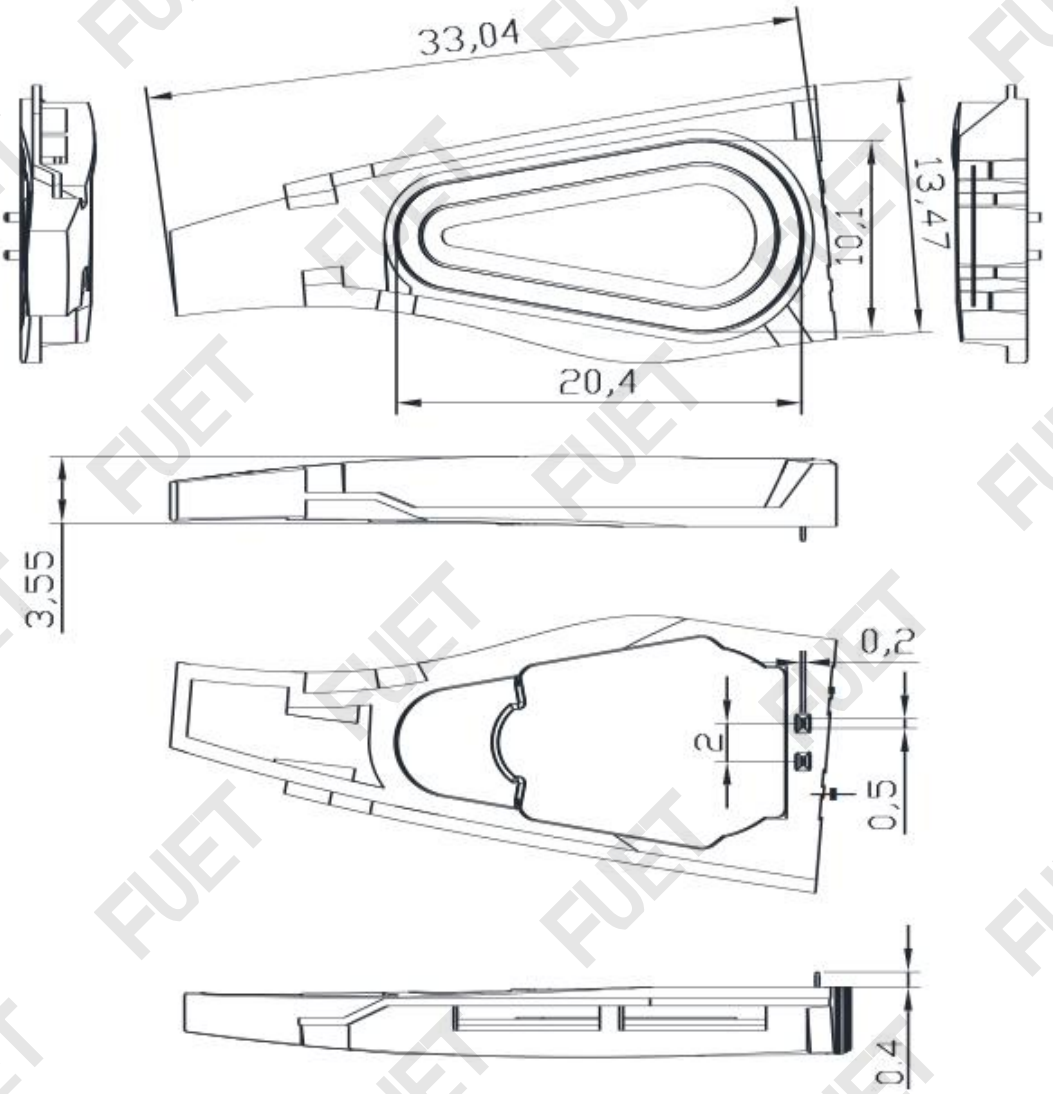
| Freq. / Hz | 200 | 400 | 1000 | 4000 | 8000 |
|---|---|---|---|---|---|
| 框线 | 60 | 30 | 5 | 5 | 5 |

**Impedance Curve**



## Product Outside View

Unit: mm Tolerance:±0.3mm

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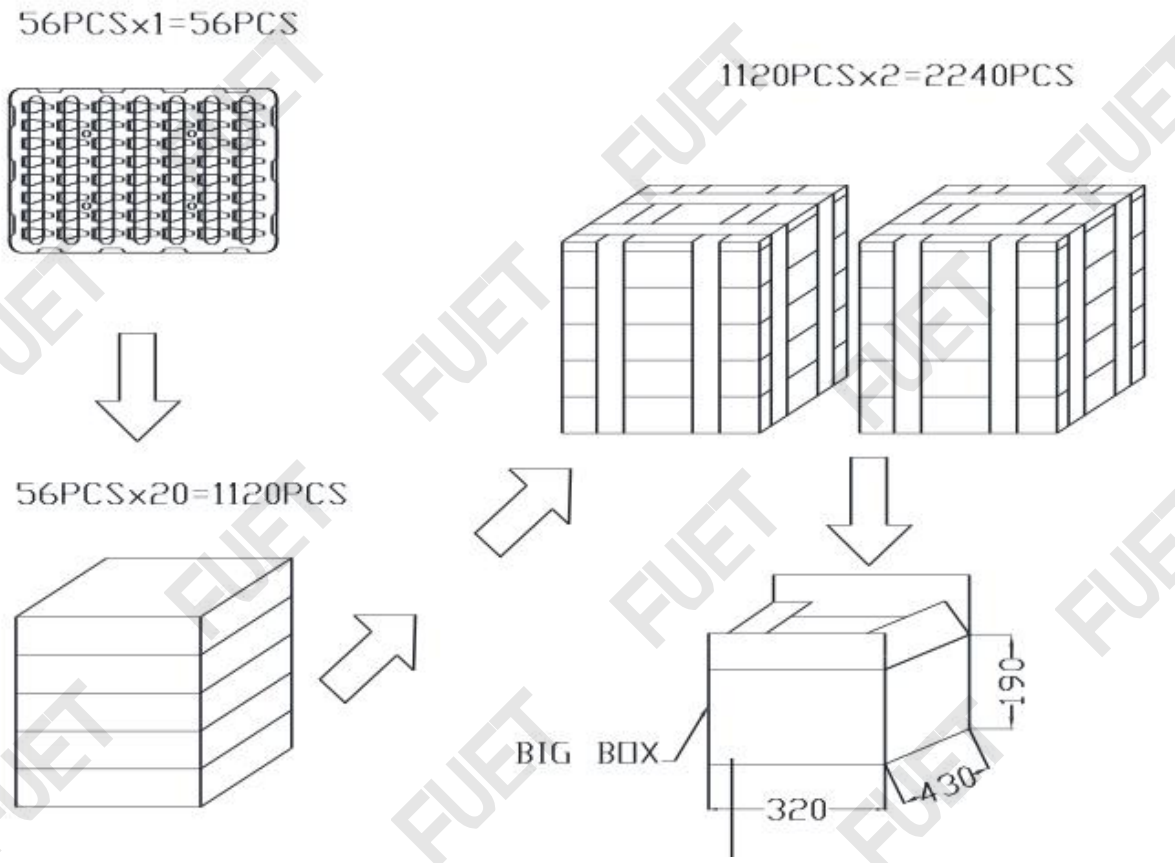
|---|---|---|---|---|
| 7 | WASHER | 2 | SPCC | |
| 6 | Magnet | 4 | NdFeB | |
| 5 | Plate | 1 | SPCC | |
| 4 | Voice coil | 1 | COPPER WIRE | |
| 3 | Diaphragm | 1 | PU+AL | |
| 2. | Yoke | 1 | SPCC | |
| 1 | Frame +Spring terminal | 1 | PPA+SUS | |
| PART NO. | PART NAME | Q'TY | MATERIAL | REMARK |

**Package**


56PCS×1=56PCS
1120PCS×2=2240PCS
56PCS×20=1120PCS
BIG BOX
190
430
320