

SPECIFICATION FOR APPROVAL

产品规格承认书

JC-SPK1511-MF03-8R1W

15×11×3.0 mm Rectangular Dynamic Speaker / 15×11×3.0 mm 矩形动圈扬声器

项目 / Item	内容 / Description
产品名称 / Product	15×11 mm Rectangular Dynamic Speaker / 15×11 mm 矩形动圈扬声器
嘉传型号 / Model No.	JC-SPK1511-MF03-8R1W
尺寸 / Dimension	11×15×3.0 mm
主要规格 / Main Spec.	8Ω Rated 1W Max 1.2W SPL 94±3dB
文件信息 / Document	Revision A0 Date 2026-10-04

Approval / 签核

Prepared 制作	Checked 审核	Approved 批准	Company Seal 公司印章
李明珠	王敏娜	黄继桥	

Customer Confirmation / 客户确认

Customer Approval 客户承认	Date 日期

SPECIFICATION / 产品规格内容

Model No.	Date	Revision
JC-SPK1511-MF03-8R1W	2026-10-04	A0

Electrical & Acoustic Specifications / 电气与声学性能

Item / 项目	Specification / 规格	Item / 项目	Specification / 规格
Dimension / 尺寸	11×15×3.0t mm	Rated Input Power / 额定功率	1W
Max Input Power / 最大功率	1.2W	Rated Impedance / 额定阻抗	8±15% Ω @ 2.0kHz / 2.83Vrms
Coil Resistance / 直流电阻	7.4±10% Ω	Resonance Frequency / 谐振频率	700±20% Hz (free air)
Box Resonance / 腔体谐振	950±20% Hz (1cc box)	Sound Pressure Level / 声压级	94±3dB @ 2kHz, 2.83Vrms/10cm, 1cc box
Frequency Range / 频率范围	f0 ~ 20kHz	THD / 总谐波失真	≤15% @ 2kHz, 2.83Vrms/10cm
Flux Density / 磁通密度	0.4T	Weight / 重量	1.5g
Operating Temperature / 工作度	-20°C ~ +70°C	Storage Temperature / 存度	-40°C ~ +85°C

Functional Requirements / 功能与判定要求

Item / 项目	Requirement / 要求
Polarity / 极性	Positive DC to +/-red terminal → diaphragm moves forward. / 正电压加至+ / 红色端子时，振膜向前运动。
Operation Test / 工作测试	Normal at sine wave and program source, 1W. / 正弦波及节目源输入 1W 时应正常工作。
Buzz / Rattle / 异音	No audible buzz/rattle, 200Hz–2kHz, up to 2.83Vrms, 1cc box. / 200Hz–2kHz、最高 2.83Vrms、1cc 腔体条件下无可闻异音。

Reliability & Environmental Tests / 可靠性与环境试验

Test / 试验	Condition / 条件
High Temperature / 高温	+85±3°C, 96h
Low Temperature / 低温	-40±3°C, 96h
Humidity / 湿热	+40±3°C, 90–95%RH, 96h; recovery 6h
Thermal Cycle / 温度循环	-40±3°C ↔ +85±3°C; 12 cycles; 2h at each extreme; recovery 2h
Vibration / 振动	10–55–10Hz, 1 octave/min, amplitude 1.5mm; 2h in each of 3 axes
Drop / 跌落	Height 1.5m; source specifies 6 cycles and describes side/corner drops
Load Test / 负载试验	1W pink noise, 96h, in 1cc box
Terminal Strength / 端子强度	1.0kg, 15s; shall be normal
Acceptance / 判定	After tests, SPL change shall be within ±3dB

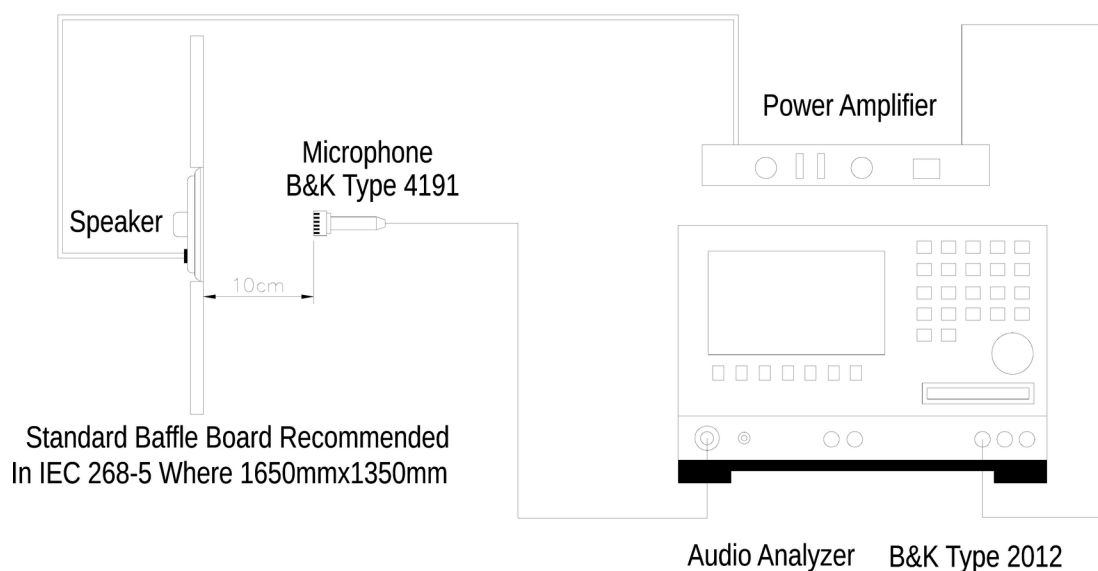
Measuring Conditions / 测试条件

Condition	Standard / 标准	Judgement / 判定
Temperature	15–35°C	20±3°C
Relative Humidity	25–75%	60–70%
Atmospheric Pressure	860–1060mbar	860–1060mbar

Standard Test Fixture: Input 2.83Vrms | Mode: TSR | Potentiometer Range: 50dB | Sweep Time: 0.5s

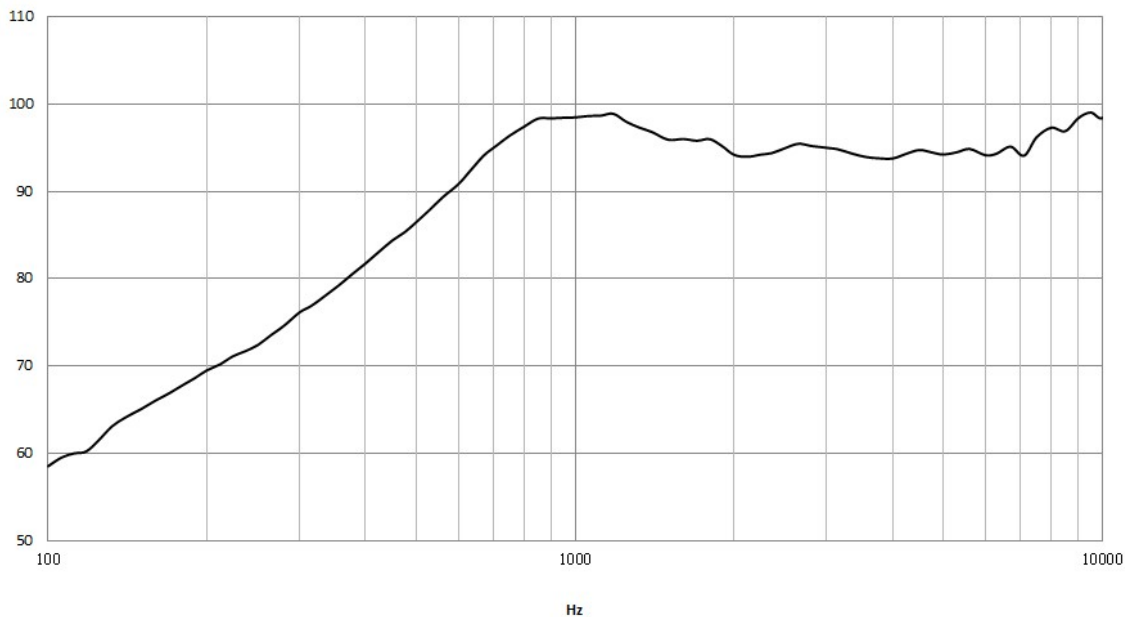
Measurement Method / 测量方式

Standard test condition of speaker



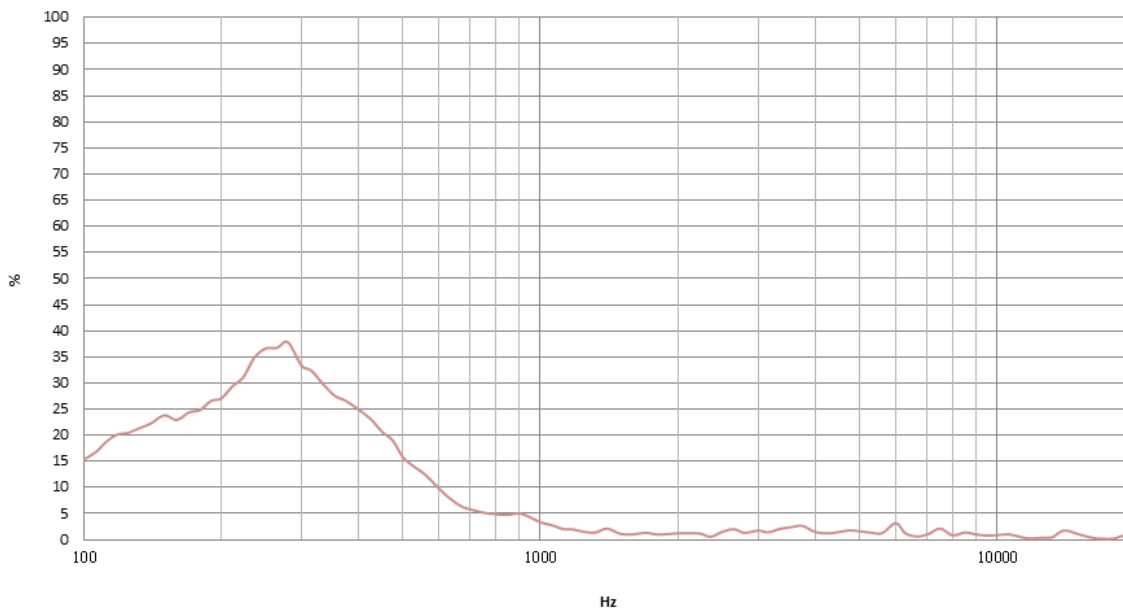
Frequency Response Curve / 频率响应曲线

Test condition / 测试条件: 2.83Vrms / 10cm in 1cc BOX



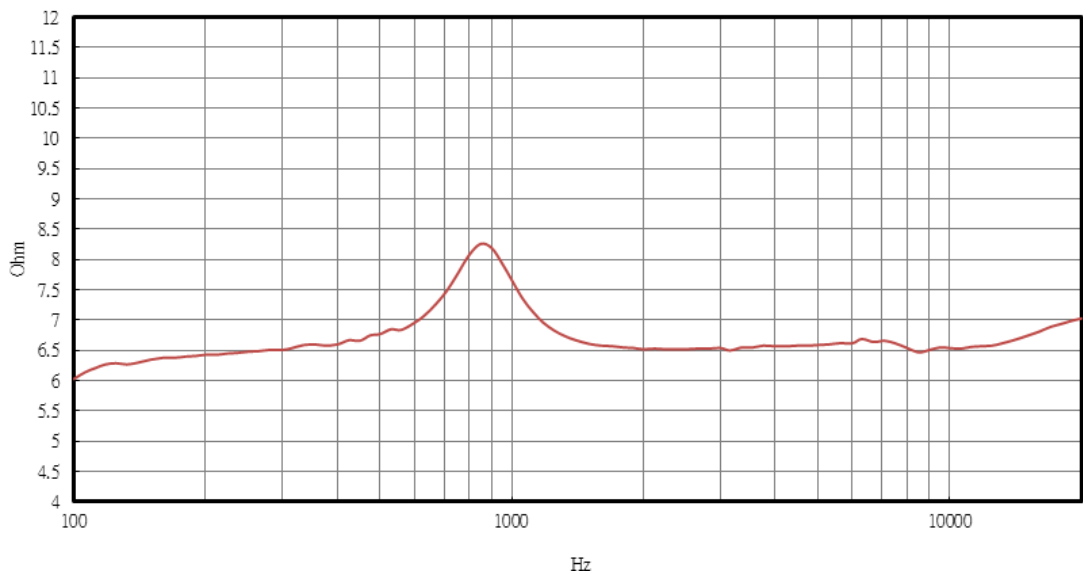
Speaker Distortion Curve / 失真曲线

Test condition / 测试条件: 2.83Vrms / 10cm in 1cc BOX

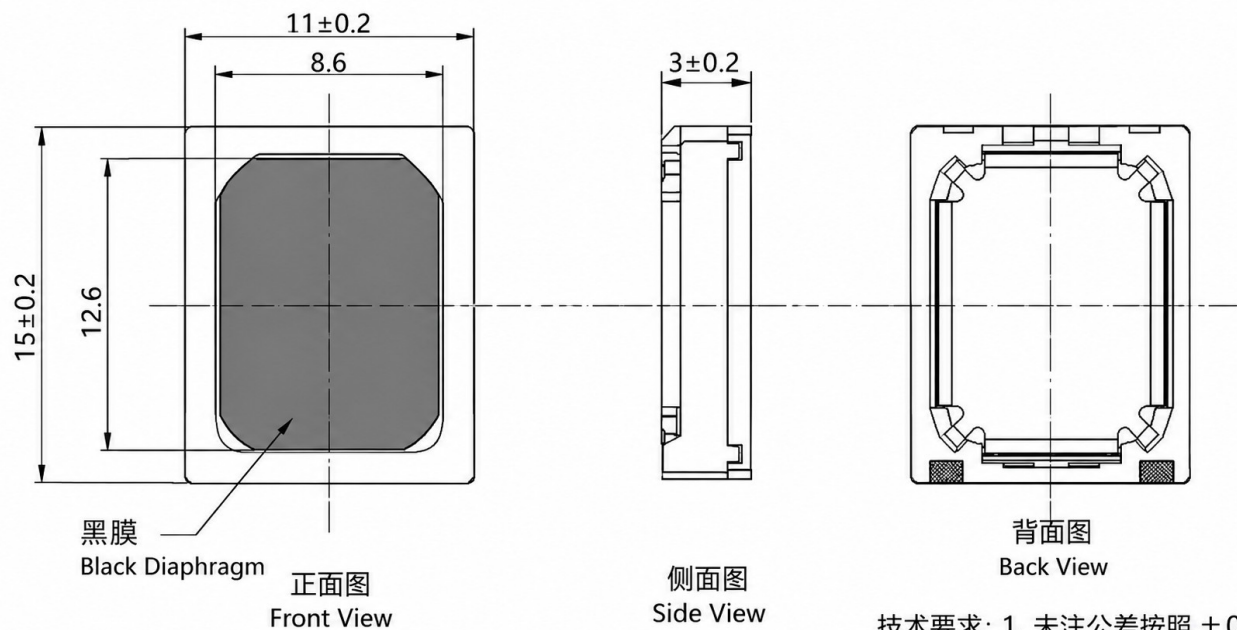


Impedance Response Curve / 阻抗响应曲线

Test condition / 测试条件: 2.83Vrms / 10cm in 1cc BOX



Mechanical Dimensions / 机械尺寸图



Materials / 材料

No.	Part / 部件	Qty	Material
1	Frame + Terminal / 框架+端子	1	PPA + SUS
2	Yoke / 磁轭	1	SPCC

No.	Part / 部件	Qty	Material
3	Diaphragm / 振膜	1	PEEK
4	Voice Coil / 音圈	1	Copper Wire
5	Plate / 华司	1	SPCC
6	Magnet / 磁钢	1	NdFeB
7	Front Cover / 前盖	1	PPA

Packaging / 包装方式

按客户要求包装。 / Packaging according to customer requirements.