

SPECIFICATION FOR APPROVAL

产品规格承认书

JC2854IB-01R-8Ω1W Ø28×5.4 mm Mylar Speaker / Ø28×5.4 mm 麦拉扬声器

Item 项目	Information 信息
Customer 客户	
Customer P/N 客户料号	
Supplier 供应商	常州市嘉传电子有限公司 Changzhou Jiachuan Electronics Co., Ltd.
Jiachuan P/N 嘉传型号	JC2854IB-01R-8Ω1W
Description 产品名称	Ø28×5.4 mm 麦拉扬声器 / Mylar Speaker
Specification 产品规格	Ø28±0.2 mm / 8Ω±15% / Rated 1.0W / Max. 1.5W / SPL 91±3dB
Issue Date 发行日期	2026-09-21
Revision 版本	A0

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

产品规格内容 (SPECIFICATION)

Model No. JC2854IB-01R-8Ω1W	Date 2026-09-21	Page No. 1 / 6
-----------------------------	-----------------	----------------

1. 基本参数 / General Information

Item 项目	Specification 规格
Type / 类型	Ø28×5.4 mm Mylar Speaker / Ø28×5.4 mm 麦拉扬声器
Weight / 重量	7.0 g/PCS
Operating Temperature / 工作温度	-20°C to +60°C
Storage Temperature / 储存温度	-30°C to +60°C

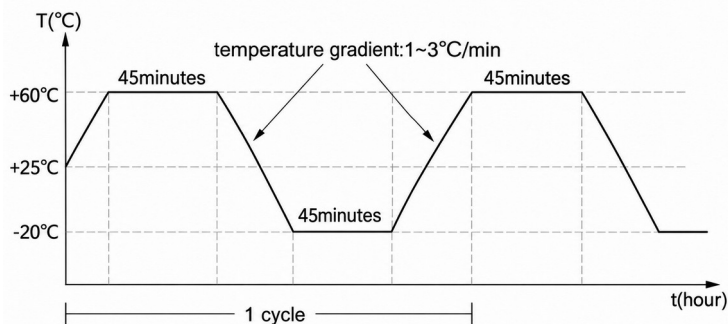
2. 电气与声学性能 / Electrical & Acoustic Specifications

Item 项目	Specification 规格	Conditions 条件
Rated Impedance / 额定阻抗	8Ω ±15%	At 1 kHz, 1.0 Vrms
Resonance Frequency (F0) / 最低共振频率	600Hz ±20%	Without Baffle
Output S.P.L. / 输出声压	91 ±3dB	At 0.1m, 0.1W; average at 800Hz, 1kHz, 1.2kHz, 1.5kHz
Rated Power / 额定功率	1.0W	2.83Vrms
Maximum Power / 最大功率	1.5W	3.46Vrms
Frequency Range / 有效频宽	F0 - 20kHz	Output S.P.L. -10dB
Operation / 可靠性试验	Must be normal	Program source, 1.0W
Buzzes & Rattles / 异常音	No audible buzz or rattle	Sine wave, 2.83Vrms / F0 - 20kHz
Distortion / 失真	5% Max	Rated power input, 1000Hz
Magnet / 磁铁	Φ12.5×1.5mm, N35	Flux Density: ----- Gauss

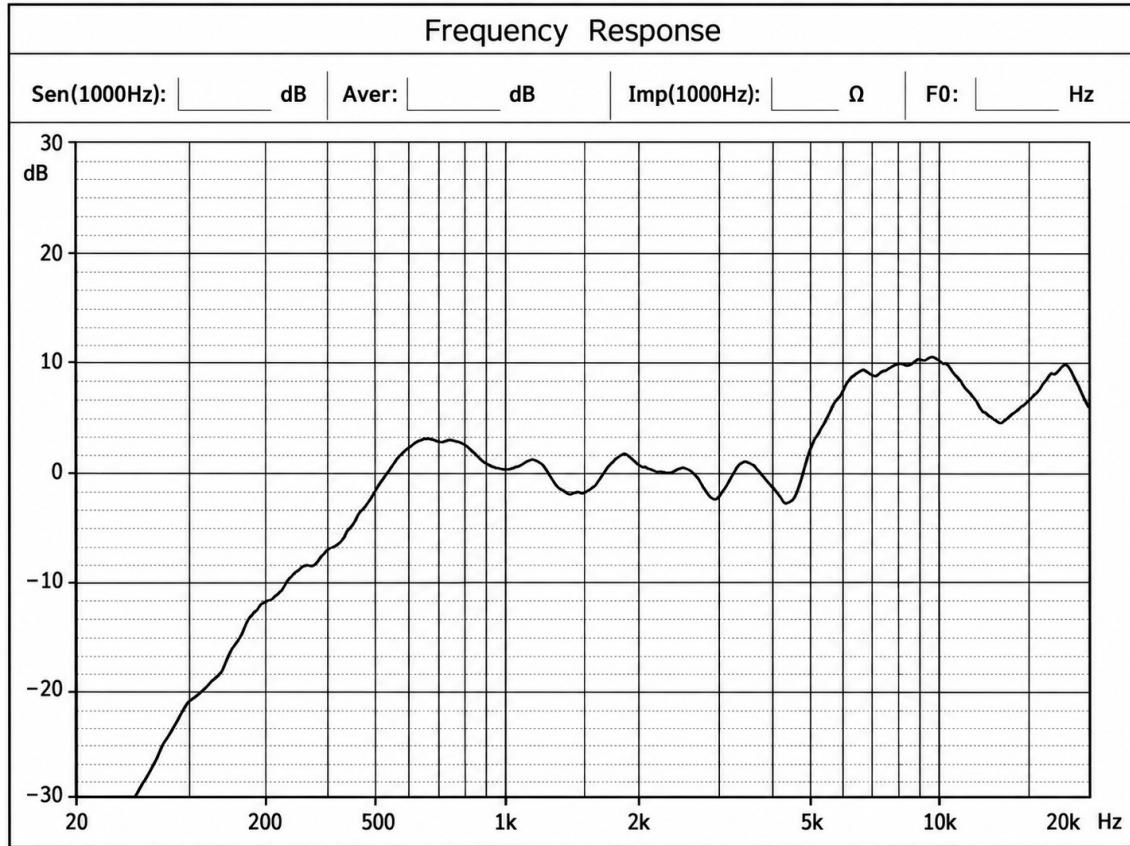
3. 可靠性及机械试验 / Reliability & Mechanical Tests

Item 项目	Specification / Condition 规格/条件	Acceptance Criteria 判定
Cold Test / 耐寒试验	-20°C ±2°C, 96 h; then 2 h at room temperature	No abnormality
Heat Test / 耐热试验	+60°C ±2°C, 90-95% RH, 96 h; then 2 h at room temperature	No abnormality
Load Test / 连续负荷试验	White noise at 1.0W for 96 h	Must be normal after test
Short Term Maximum Power Test / 瞬间最大功率测试	White noise at 1.5W maximum power; 1 h total; 1 s ON / 59 s OFF, total 60 cycles	No abnormality after test
Polarity / 极性	Positive D.C. to terminal marked + or white	Diaphragm moves forward
Drop Test / 跌落试验	Normal box, 1.0 m height, 10 drops onto 5 mm board	No abnormality
Terminal Strength / 端子强度	5.0 N static load for 10 s in any direction	No abnormality

4. 温度循环试验 / Temperature Cycle Test (5 cycles)



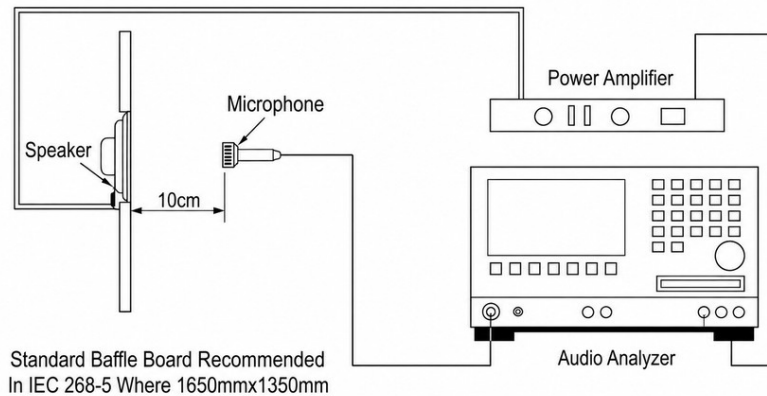
5. 频率响应曲线 / Frequency Response Curve



Curve test info / 曲线测试信息: 1/12 octave | Voltage: 894 mV | Distance: 100 mm | 0 dB reference: 20 μ Pa

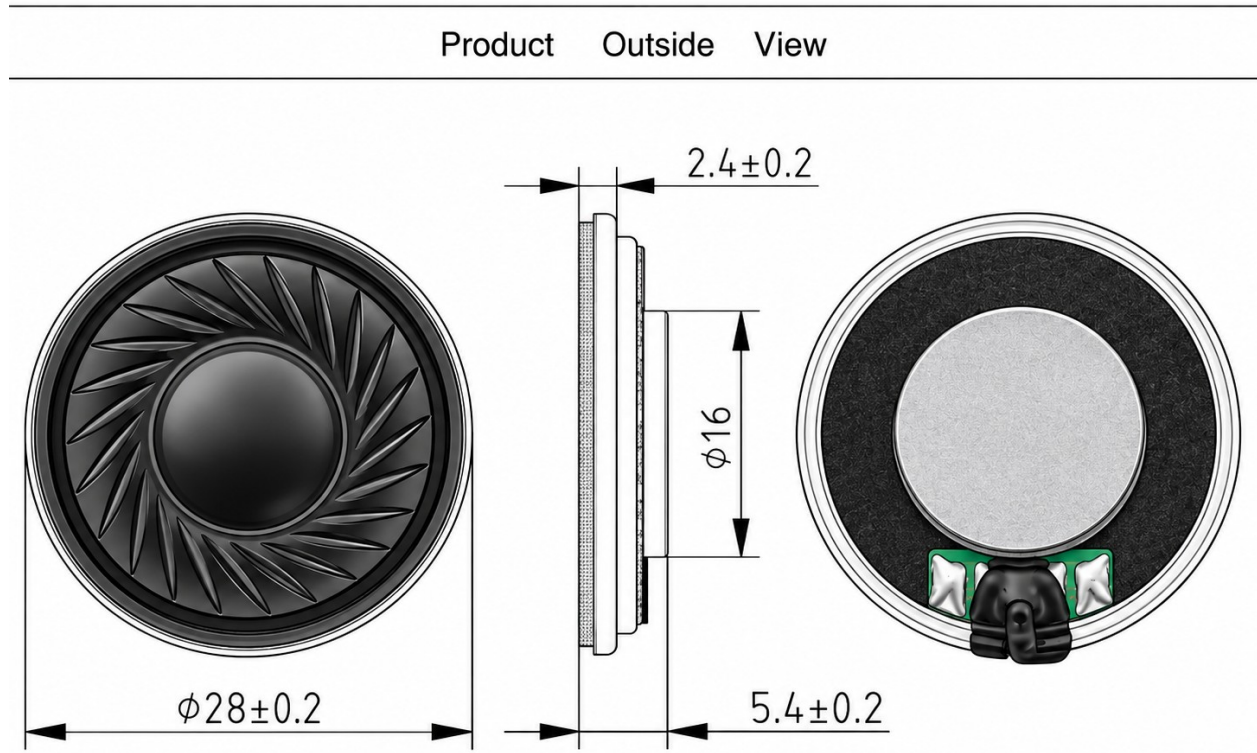
6. 测量方式 / Measurement Method

Standard test condition of speaker



Standard baffle board recommended in IEC 268-5: 1650 mm $\times$ 1350 mm; microphone distance: 10 cm.

7. 外形尺寸图 / Product Outside View



Unit: mm / 单位：mm。

Key dimensions shown in original drawing: body $\phi 28 \pm 0.2$ mm; overall thickness 5.4 ± 0.2 mm; front section 2.4 ± 0.2 mm; rear diameter $\phi 16$ mm.

Noise Testing / 异常音测试

Item / 步骤	Testing Condition / 测试条件
1. Testing voltage / 测试电压	2.83Vrms
2. Testing Frequency Range / 测试频率范围	From F0 to 20kHz
3. Testing speed / 扫描速度	$S \geq 0.8$ s/Cycle
4. Operation / 测试方法	Listen at 30 cm from the speaker; clear sound with no abnormal noise is OK. / 距离测试者耳朵 30cm 处监听，声音清纯无异常音为 OK。

9. Packing / 包装方式

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