

SPECIFICATION FOR APPROVAL

产品规格承认书

JC-SPK3516-PF01-8R1W

35×16 矩形动态扬声器 / Rectangular Dynamic Speaker

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	JC-SPK3516-PF01-8R1W
Description / 产品名称	35×16 矩形动态扬声器 / Rectangular Dynamic Speaker
Specification / 产品规格	35×16×5.8mm / 8Ω / Rated 1.0W / Max. 2.0W
Issue Date / 发行日期	2026-10-02
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	

1. 使用范围 / Scope

本规格书适用于 35×16 mm 矩形成动扬声器。 / This specification applies to the 35×16 mm rectangular dynamic speaker.

2. 电声特性 / Electro-acoustic Characteristics

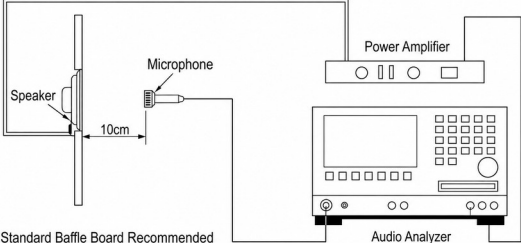
No.	Item / 项目	Specification / 规格	Condition / 条件
2.1	Dimension / 外形尺寸	35×16×5.8mm	—
2.2	Rated Input Power / 额定功率	1.0W	—
2.3	Max. Input Power / 最大功率	2.0W	—
2.4	Rated Impedance / 额定阻抗	8Ω ±15%	2kHz
2.5	F0 / 共振频率	670Hz ±20%	1V
2.6	SPL / 输出音压	83±3dB	1W / 0.5m; Avg. 0.6/0.8/1.0/1.2kHz
2.7	Frequency Range / 频率范围	F0~20kHz	—
2.8	THD / 总谐波失真	≤10%	1kHz, 0.1W
2.9	Flux Density / 磁通密度	0.6T	—
2.10	Buzz & Rattle / 异常音	No audible noise	2.83V, 200~2000Hz
2.11	Weight / 重量	7.5g	—
2.12	Voice Coil Diameter / 音圈直径	Φ8.75	—
2.13	Magnet / 磁铁	Φ8×2.0mm NdFeB	—
2.14	Polarity / 极性	Positive → diaphragm moves forward	—

3. 可靠性测试 / Reliability Test

Item / 项目	Condition / 条件	Acceptance / 判定
Max Power / 最大功率	Program white-noise at max. power: 1min ON / 2min OFF ×10 cycles	Normal
Thermal Operating / 工作温度	50h continuous at rated power at max/min rated operating temperature	Normal
Thermal Storage / 储存温度	96h at max/min rated storage temperature	Normal
Thermal Shock / 温度冲击	5 cycles between minimum and maximum operating temperature; 3h/cycle	Normal
Humidity / 湿热	+40±2℃, 90~95%RH, 96h	Normal
Operation Life / 寿命	Program white-noise at rated power, 96h	Normal
Insulation / 绝缘	≥1MΩ at 100Vdc between terminals and case	Pass
Terminal Strength / 端子强度	9.8N (1kg), 10s axial pull each terminal	Normal
Vibration / 振动	10~55Hz, 0.75mm, 15min each of 3 axes	Normal
Drop / 跌落	Shipping container: 1m onto 40mm wood board, 3 axes ×3	Normal
Reliability Performance / 可靠性	After 3h recovery	Within ±5dB; SPL change ≤±3dB
Warranty / 保证期	1 year from shipping under normal operation	—

4. 测量方式 / Measurement Method

Standard test condition of speaker



Standard Baffle Board Recommended
In IEC 268-5 Where 1650mmx1350mm

Test Conditions / 测试条件

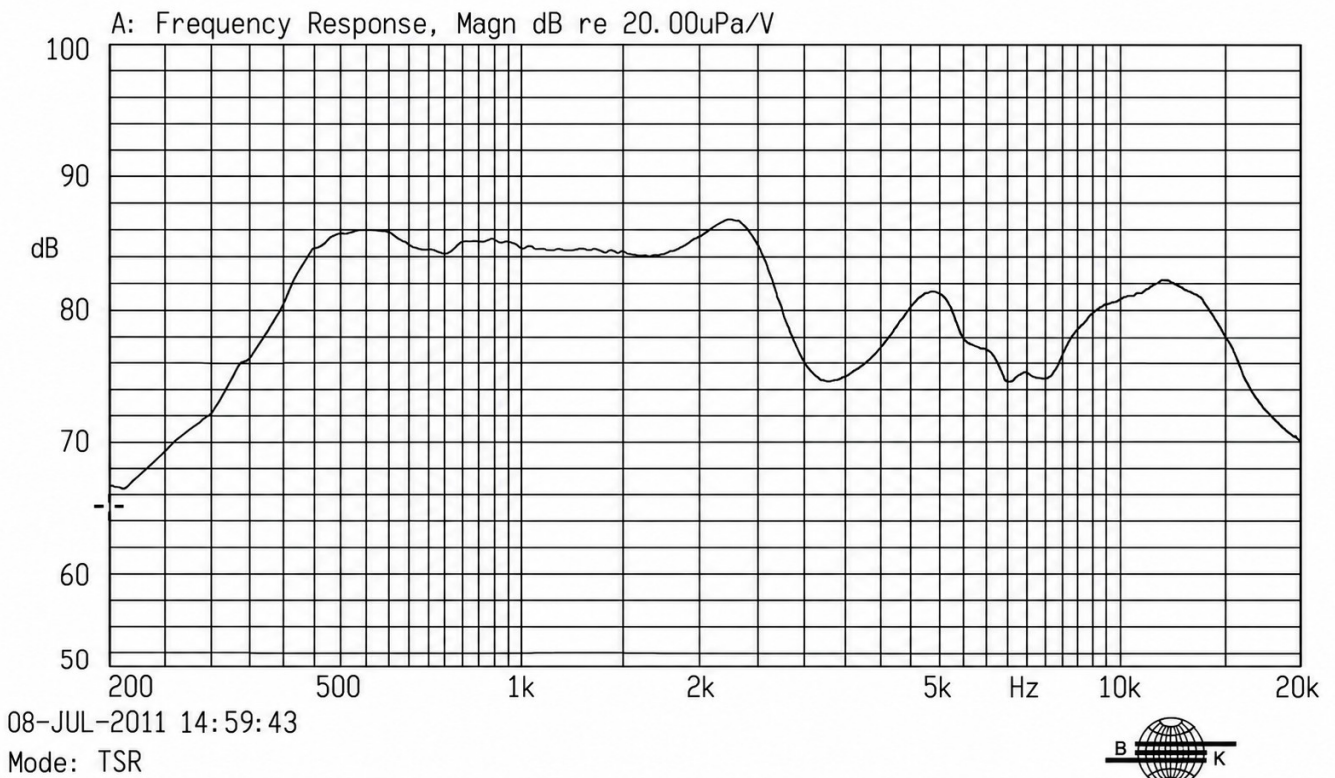
Standard temperature: 15~35°C
Relative humidity: 45%~85% RH
Atmospheric pressure: 860~1060 mbar
Judgement temperature: 20±3°C
Judgement RH: 60%~70% RH
Input: 1.0W (2.83V)
Mode: TSR
Potentiometer range: 50dB
Sweep time: 0.5s

说明：测量示意图仅供参考，具体测试条件见右侧说明。 / The measurement diagram is for reference only. Detailed test conditions are shown on the right.

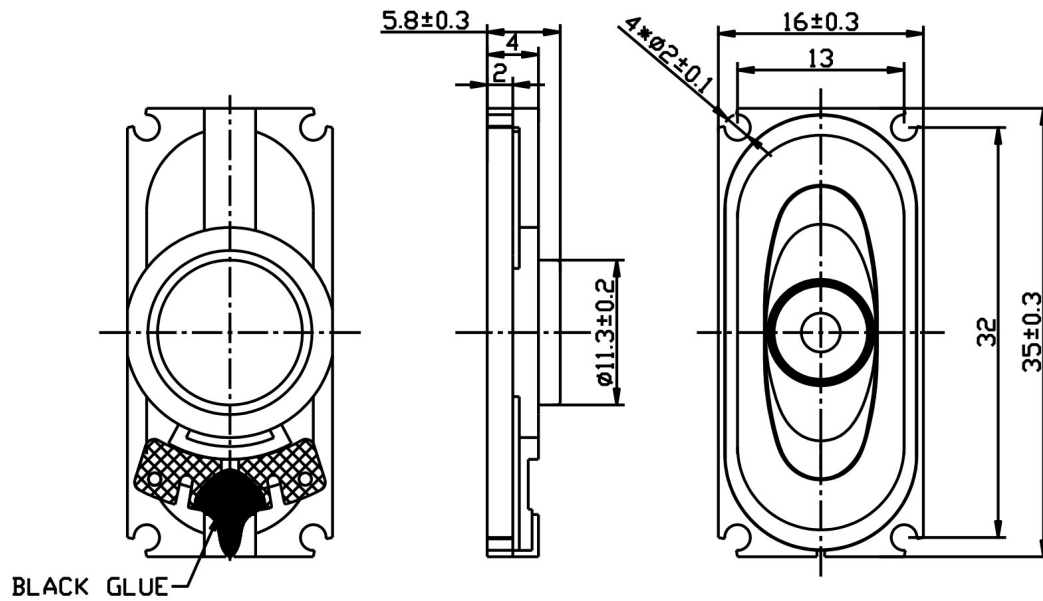
5. 技术曲线 / Response Curves

Curve Test Condition / 曲线测试条件：1.0W (2.83V), 0.5m.

X: 200.00Hz Y: 65.00dB ZA: Live Curve TSR fund.



6. 外形尺寸图 / Product Outside View



7. 材料 / Materials

No.	Part Name / 零件	Q'ty		Material / 材料
7	Plate / 华司	1	0.8t	
6	Magnet / 磁铁	1	NdFeB	
5	Voice Coil / 音圈	1	Self-bonding wire	
4	Dust Cap / 防尘帽	1	Paper	
3	Yoke / 磁轭	1	1.0T	
2	Cloth Cone / 布盆	1	Cloth	
1	Frame / 框架	1	Black PBT	

8. 端子与包装 / Terminal & Packing

端子规格可按客户指定要求确认。 / Terminal specifications can be customized according to customer requirements.

包装方式：可按客户指定要求包装。 / Packaging can be arranged according to customer requirements.