

Product Specification

Number: L-KLS3-YS01B-36MM-8R0.5W

Name: Voice speaker36MM,
8R0.5W

Customer: _____

Date: 2025-10-18



WWW.KLSELE.COM

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1. TEST CONDITION (测试条件)

Unless otherwise specified, The standard of range atmospheric conditions for making measurements and tests as follows (无特定要求时如下述测试条件): 17℃~25℃, 45%~85%RH, 860HPA~1060HPA.

If there is no doubt about results, measurement shall be made with in the following limits.

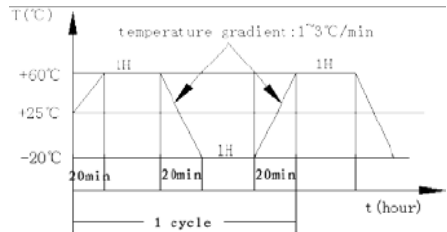
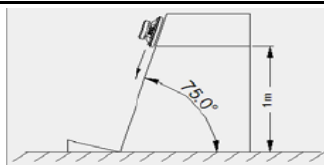
(当判断有疑问的场合如下述测试条件): 20℃±3℃, 60%~70%RH, 860HPA~1060HPA.

2. SPECIFICATION OF SPEAKER MODE (喇叭模式规格)

2.1	Rated IMPEDANCE 额定阻抗	50Ω±15%	At 1.0KHz 0.89V
2.2	RESONANCE FREQUENCY 最低共振周波数	600±20%Hz	At 0.89V
2.3	Rated Power 额定功率	0.5W	At 7.0V
2.4	MAX POWER 最大功率	1.2W	At 7.74V
2.5	Outerput S.P.L 出力音压	90±3dB at 0.1W/0.1M	At 600.800.1000.1200.1500.2000Hz average
2.6	Frequency response curve 实效频宽	F0 ~ 20KHz	Deviation -10db from average S.P.L
2.7	Rub& Buzz 异常音检查	should not be audible buzz and rattle (无异常声音)	Sine WAVE(正弦波入力) at 7.0V /350 ~ 2kHz
2.8	Dostortion 失真	≤10%THD	At 1kHz 0.1W
2.9	Polarity 极性	When a positive D.C current is applied to the voice coil terminal marked +, the diaphragm shall move forward.(端子板的正极通入电 流, 振膜向前运动)	
2.1	Magnet Size 磁铁	NdFeB	
2.11	Net Weight 重量	±10%	

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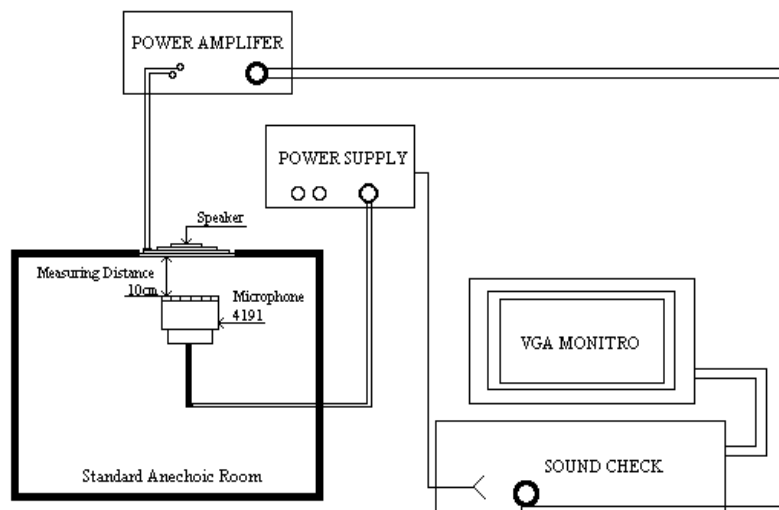
3.ENVIRONMENTIAL CHARACTERISTICS（信赖性试验）

3.1	High temperature test 耐热试验	+ 55±3℃ duration48 hours ,then removal back to normal temperature for 2 hours （+55±3℃，48小时实验后，常温放置2小时）	
3.2	LOW temperature test 低温实验	- 25±3℃ duration 48 hours ,then removal back to normal temperature for 2 hours （-25±3℃，48小时实验后，常温放置2小时）	
3.3	Humidity test 耐湿试验	Temperature +40±3℃， relative humidity 90～95%, duration ,96 hours ,then removal back to normal temperature for 2 hours （温度+40±3℃，相对湿度90～95%，96小时实验后，常温放置2小时）	
3.4	Load test 连续负荷试验	The products shall not be no sound/Buzz&Rattle/different volume/exceptional diversification of frequency response curve in testing and after testing process for a continuous working of 48H at a rated 1.0W white noise 。 1.0W的白噪声下连续工作48小时,测试中和试验后不能出现任何无声/杂音/音量大小不均/频率响应曲线等异常变化。	
3.5	Temperature cycle test 温度周期试验	Temperature: -20℃to +60±3℃ Duration : 2 hours Cycl :2cycle 温度-20℃ 2小时转高温，+60℃±3℃ 2小时为一周期 共试验2周期	
3.6	Drop test 跌落试验	The speaker shall be dorp 5 times as shown in the figure and Cacophony must be normal （如图所示5次跌落实验后外 观和声音无异常）	
3.7	In Sulation resistance 绝缘阻抗	A VOLTAGEOF 100V.d.c shall be applited for 1 min between a terminal and a frame ,after which measurement shall be made ,2MΩ OR MORE （D. C. 100V，1分钟后端子与支架间2MΩ以上）	
3.8	Vibration test ibration 振动试验（捆包状态）	10-55Hz/min Amplitude: 1.5mm Duration: 2hours each axes	
3.9	Operating temperature 工作温度	- 25℃ TO+55℃	
3.10	torage temperature 储存温度	- 30℃ TO+55℃	

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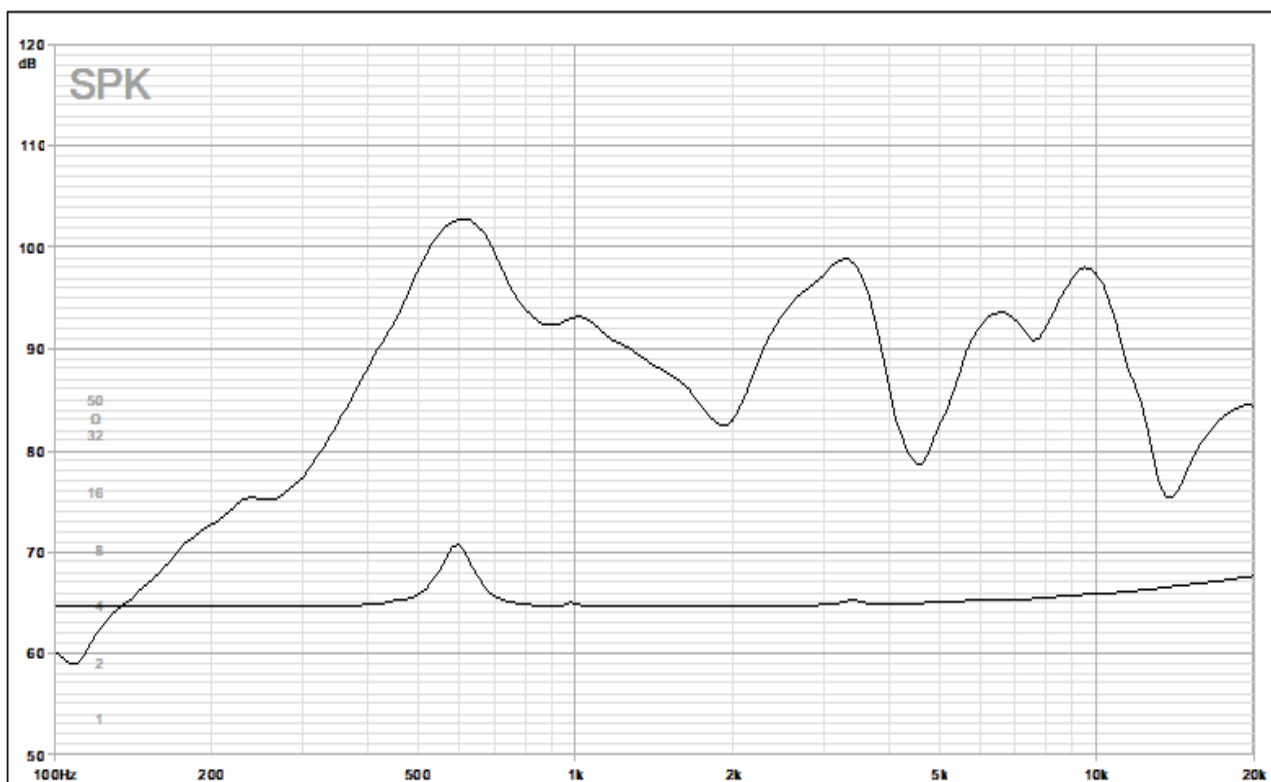
■ MEASURING CIRCUIT(SPEAKER)

测试回路（喇叭模式）



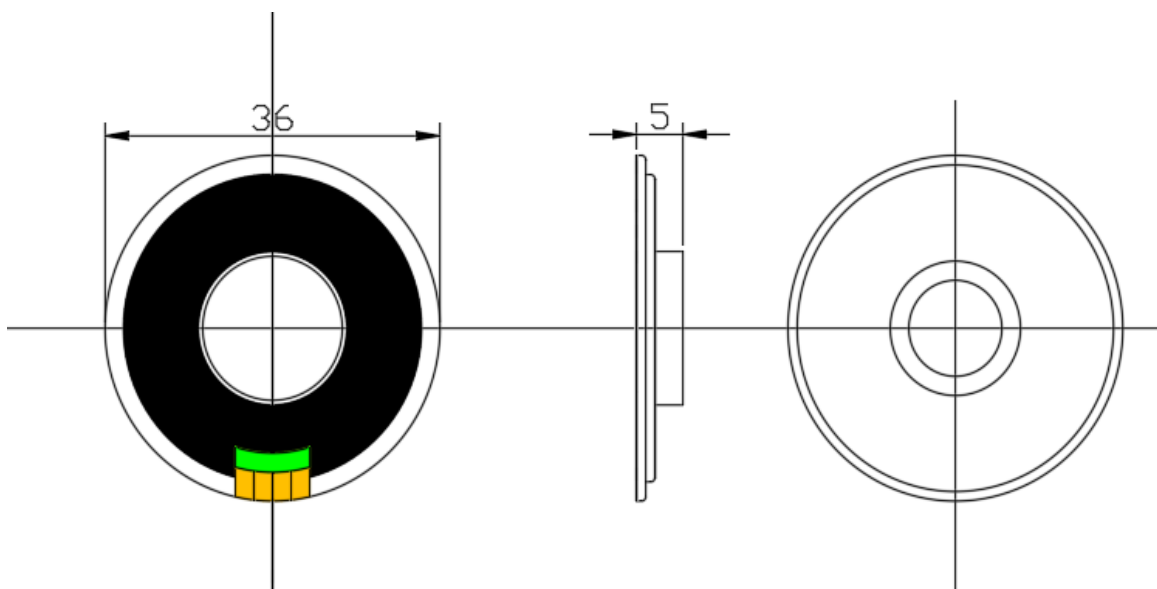
■ FREQUENCY CURVE

频响曲线图标



■ DIMENSIONS

Unless otherwise specified, tolerance: ± 0.3 (unit: mm)



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■PACKAGING PARAMETERS

