

Product Specification

Number: L-KLS3-LB6615-50R3W

Name: Miniature speakers

Customer: _____

Date: 2025-03-21

Customer Signature:



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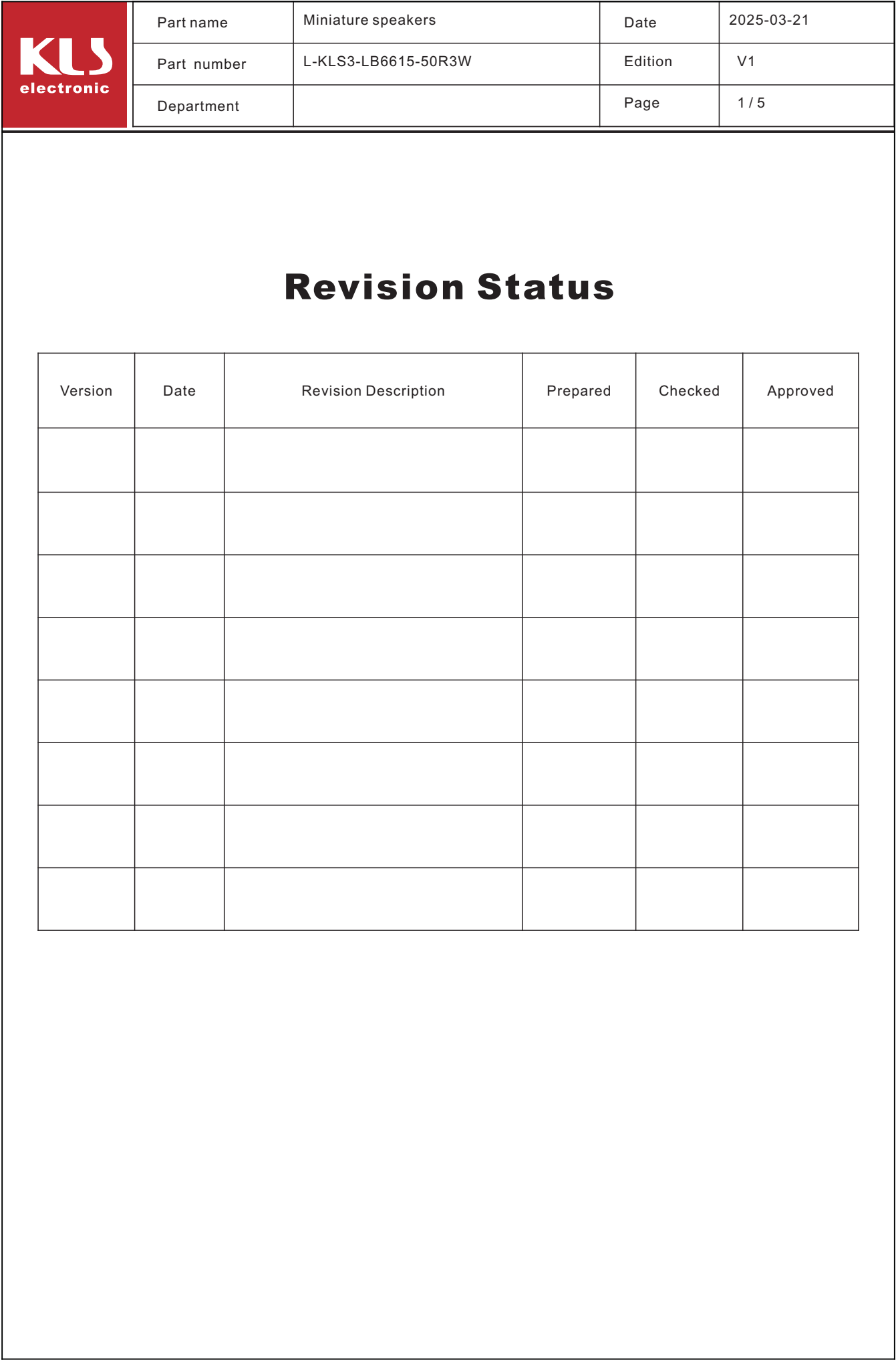
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Compi	Check	Review	Approva
Jenny	Jack.C		



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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.

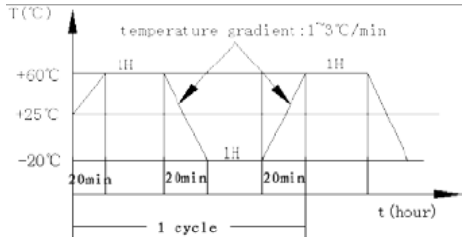
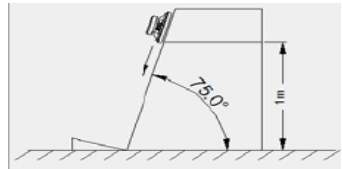
（当判断有疑问的场合如下述测试条件）：20℃±3℃，60%～70%RH，860HPA～1060HPA.

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	400±20%H	At 0.89V
2.3	Rated Power 额定功率	3.0	At 12.24V
2.4	MAX POWER 最大功率	3.5	At 13.22V
2.5	Outerput S.P.L 出力音压	85±3dB at 0.1W/0.1M	At 0.1,0.2,0.3,0.5,1,2,5,10, 20KHz 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 12.24V /300 ~ 2kHz
2.8	Dostortion 失真	≤5%THD	At 1kHz 0.1M/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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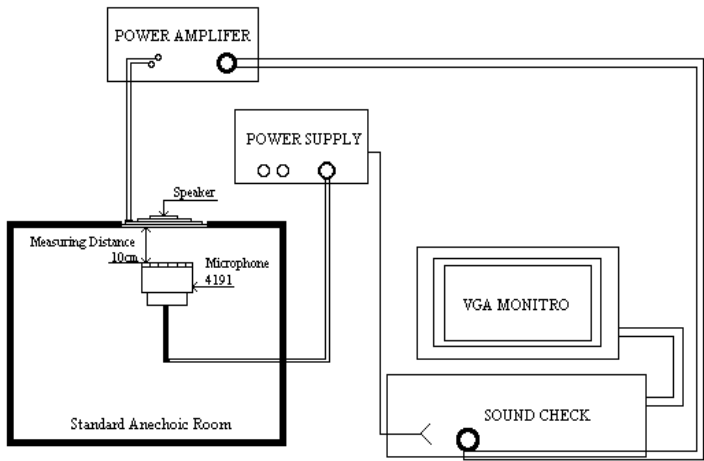
3.ENVIRONMENTAL CHARACTERISTICS（信赖性试验）

3.1	High temperature test 耐热试验	+ 65±3℃ duration48 hours ,then removal back to normal temperature for 2 hours （+65±3℃，96小时实验后，常温放置2小时）	
3.2	LOW temperature test 低温实验	- 20±3℃ duration 48 hours ,then removal back to normal temperature for 2 hours （-20±3℃，96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 96H at a rated 3.0W white noise 。 3.0W的白噪声下连续工作96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 +65±3℃ Duration : 2 hours Cycl :2cycle 温度-20℃ 2小时转高温，+65℃±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 aplited 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	- 20℃ TO+65℃	
3.10	torage temperature 储存温度	- 25℃ TO+75℃	

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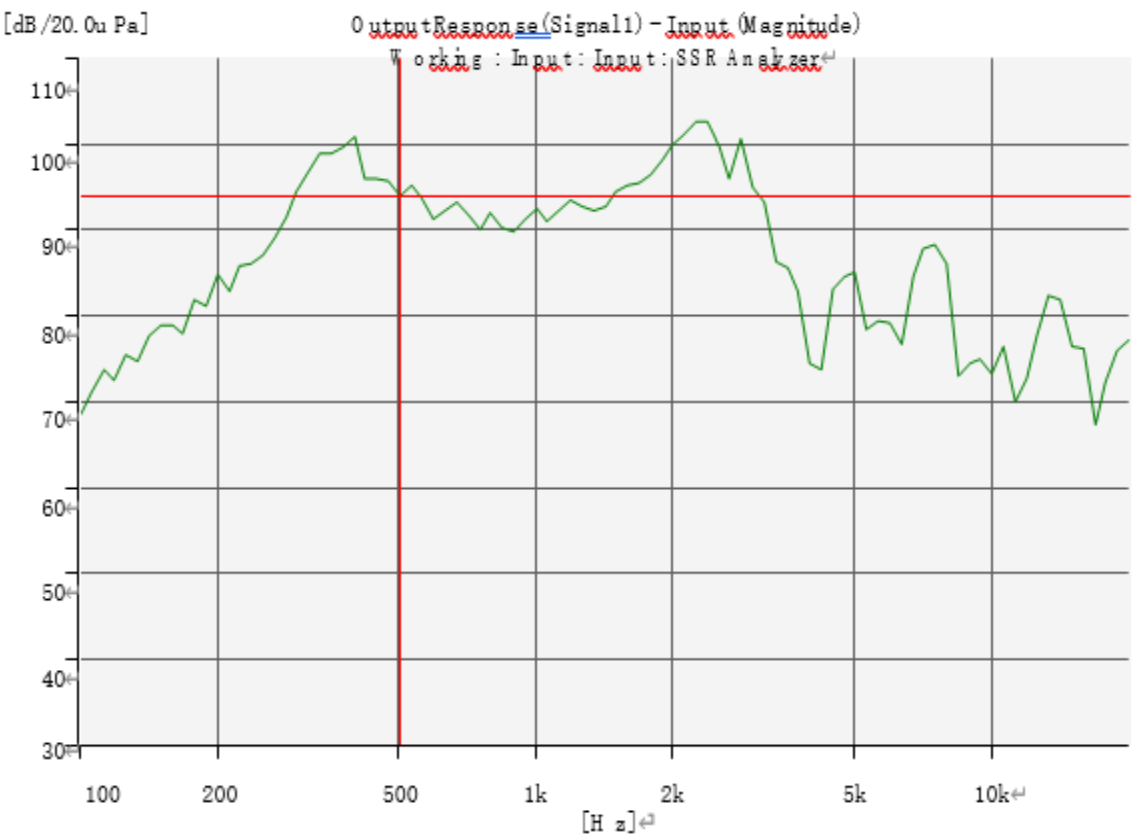
■ MEASURING CIRCUIT(SPEAKER)

测试回路（喇叭模式）



■ FREQUENCY CURVE

频响曲线图标



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■ DIMENSIONS

Unless otherwise specified, tolerance: ± 0.2 (unit: mm)

