

规格书 SPECIFICATION

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MODEL NO.	L-KLS3-57*08-R8W0.5	UPDATE	00	ISSUED DATE	2020-7-10
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1. 范围 SCOPE

此规格涵盖了我们的所有电话用动圈式扬声器产品.

This specification covers our product of dynamic speaker unit for mobile telephone use.

2. 外形、尺寸 MECHANICAL LAYOUT & DIMENSIONS

示意图 3 Shown in Fig.3

3. 常规要求 GENERAL REQUIREMENTS

3.1 工作温度 OPERATING TEMPERATURE RANGE: -20°C ~ +55°C

3.2 测试条件 STANDARD TEST CONDITIONS:

温度 Temperature:	17~25°C
湿度 Relative Humidity:	45%~80%(RH)
大气压力 Air Pressure:	860~1060 hPa

3.3 判断条件 JUDGEMENT CONDITIONS:

温度 Temperature:	°C	20±2
湿度 Relative Humidity:		60%~70%(RH)
大气压力 Air Pressure:		860~1060 hPa

4. 电声特性 ELECTROACOUSTIC CHARACTERISTIC

4.1 声压级 SOUND PRESSURE LEVEL

92±3dB SPL @0.8,1.0,1.2and1.5KHz in average (0dB SPL=20 μ Pa)

Measuring condition: 0.1W (Sine wave) 0.1m measured with baffler shown in Fig.1.

4.2 阻抗 IMPEDANCE: 8±15%Ω (@2KHz 1V) without baffler.

4.3 测试示意图 MEASURING DIAGRAM: Shown in Fig.1

4.4 曲线图 TYPICAL FREQUENCY RESPONSE CURVE: Shown in Fig.2.

4.5 额定功率 RATED SINE POWER:0.5W. 最大功率 MAX SINE POWER:1.0W.

4.6 谐振频率 RESONANCE FREQUENCY (F₀):370±20%Hz @ 1V. (Without Baffler)

4.7 谐波失真 RATED TOTAL HARMONIC DISTORTION:Less than 5% @ 1KHz,0.5W

4.8 纯音检听 AUDIBLE NOISE: Must be free audible noise (buzzes and rattles) (300Hz-5KHz frequency range input level up to 1.41Vrms)

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频率曲线测试示意图 ■ **FREQUENCY MEASURING DIAGRAM (Fig.1)**

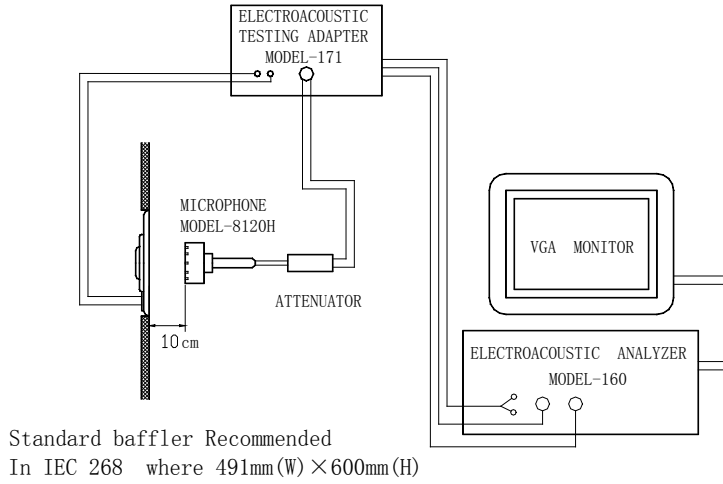


Fig.1 Illustration of measuring diagram

■ **TYPICAL FREQUENCY RESPONSE CURVE (Fig.2)**

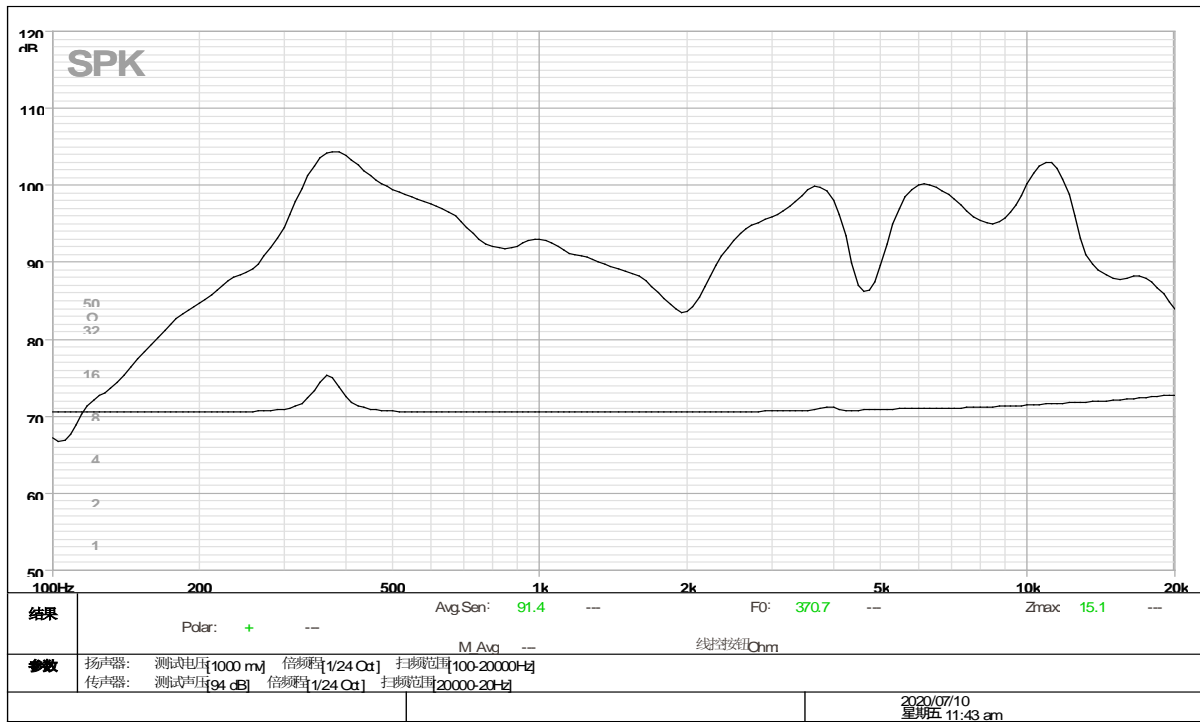


Fig.2 Typical frequency response curve

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<p>5. 可靠性试验 <i>RELIABILITY TESTS</i></p> <p>The sound pressure as specified shall neither deviate more than $\pm 3\text{dB}$ from the initial value, nor any significant damage after any of following testing.</p>						
<p>5.1 高温试验 <u>HIGH TEMPERATURE TEST</u></p> <p>High temperature: +55\pm2$^{\circ}\text{C}$ Duration: 24 hours</p>						
<p>5.2 低温试验 <u>LOW TEMPERATURE TEST</u></p> <p>Low temperature : -20\pm2$^{\circ}\text{C}$ Duration: 24 hours</p>						
<p>5.3 湿度试验 <u>HUMIDITY TEST</u></p> <p>Temperature: +40\pm2$^{\circ}\text{C}$ Relative humidity: 90~95% Duration: 24 hours</p>						
<p>5.4 跌落试验 <u>DROP TEST</u></p> <p>Mounted with dummy set mass: 100 g Height: 1 m Cycle: 6 (1 each plain) onto the concrete board</p>						
<p>5.5 负荷试验 <u>LOAD TEST</u></p> <p>Subject samples to White noise (EIA filter) for 96 hours @0.25W input power.</p>						

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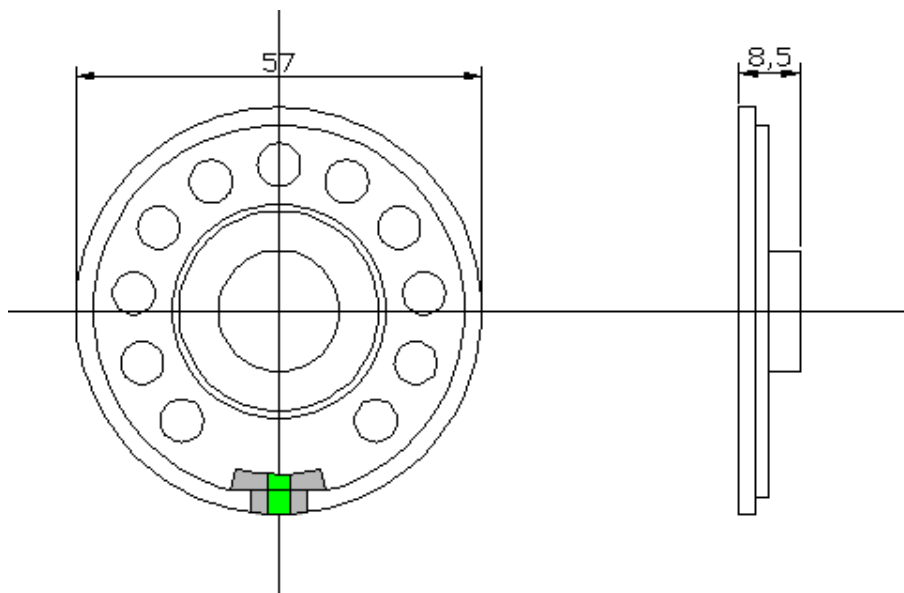
DIMENSIONS (Fig.3)Unless otherwise specified, tolerance: ± 0.20 (unit: mm)

Fig.3 Outer dimension

Table Of Materials

NO	零件名称	材料	规格	数量	备注
1	压边	ABS	57*1.5	1	
2	膜片	PTE	XHH005775H3 $\Phi 55.7$	1	
3	磁钢	Nd-Fe-BCr3+	$\Phi 12.5*1.3$	1	
4	华司	08FCr3+	$\Phi 12.6*1.0$	1	
5	音圈	QAN-1B-H-JH	80hm $\phi 13.4 P$	1	
6	支架	08FCr3+	57-1	1	
7	T 铁	08FCr3+			
8	防尘网	No Textile	Black		
9	线路板		36-5 环保 (0.6)	1	
10	焊锡丝	Lead free soldering		1	