KLS ELECTRONIC CO.,LTD.

SPECIFICATION		TYPE	L-KLS3-SD3821-150	P1/6
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REVERSION		UPDATE		

1. SCOPE

This specification covers our product of dynamic receiver unit for cordless telephone use.

2. MECHANICAL LAYOUT & DIMENSIONS

Shown in Fig.5

3. GENERAL REQUIREMENTS

3.1 OPERATING TEMPERATURE RANGE: -20℃ ~ +60℃

3.2 STANDARD TEST CONDITIONS:

Temperature: 17～25℃

Relative Humidity: 45%～80%(RH)

Air Pressure: 860～1060 hPa

3.3 JUDGEMENT CONDITIONS:

Temperature: 20±2℃

Relative Humidity: 60%～70%(RH)

Air Pressure: 860～1060 hPa

4. RECEIVER MODE

4.1 SENSITIVITY

97±2dB @1KHz (0dB =20μPa)

Input voltage: 60mV (Sine wave) measured with IEC318 coupler.

4.2 IMPEDANCE: 150±20% Ω (@ 1KHz)

4.3 MEASURING DIAGRAM: Shown in Fig.1

4.4 FREQUENCY RESPONSE MASK & TYPICAL FREQUENCY RESPONSE CURVE: Shown in Fig.2.

4.5 EARPIECE: Show in Fig.3

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4.6 RATED POWER: 1mW.(White noise) **MAX PEAK VALUE POWER:** 10mW

4.7 DISTORTION: <5% THD@1000Hz

■ **FREQUENCY MEASURING DIAGRAM (RECEIVER MODE) (Fig.1)**

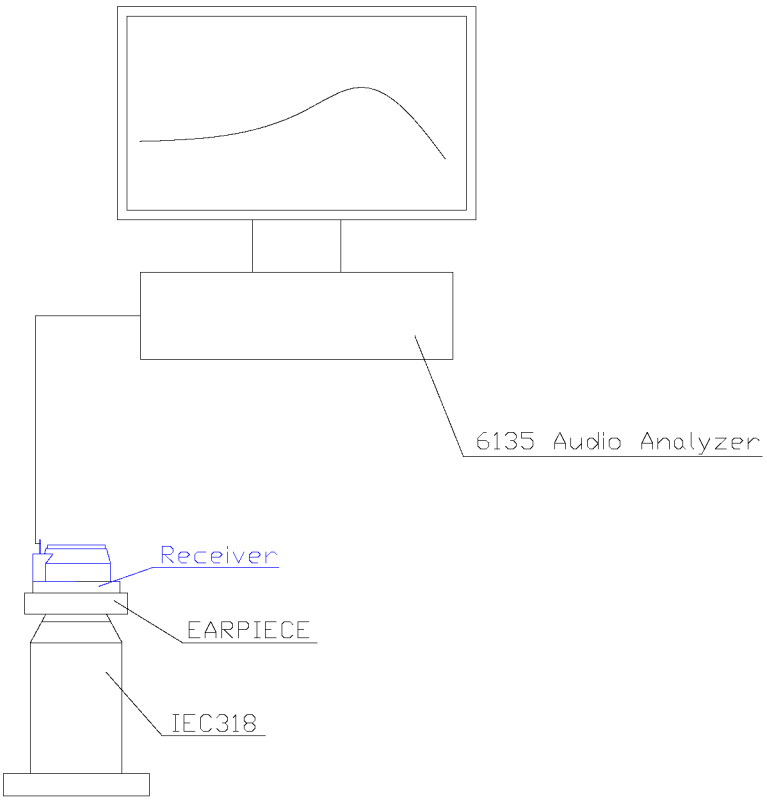

Fig.1 Illustration of measuring diagram

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■ **FREQUENCY RESPONSE MASK & TYPICAL FREQUENCY RESPONSE CURVE (RECEIVER MODE) (Fig.2)**

上限：

100	200	300	1000	4000	8000	10000
-10	+1	+3	+1.5	+5	-10	-10

下限：

300	500	800	1000	2000	3440	3440
-4	-2	-1.5	-1	-1	-1	-20

Fig.2 Frequency response mask

■ **EARPIECE(Fig.3)**

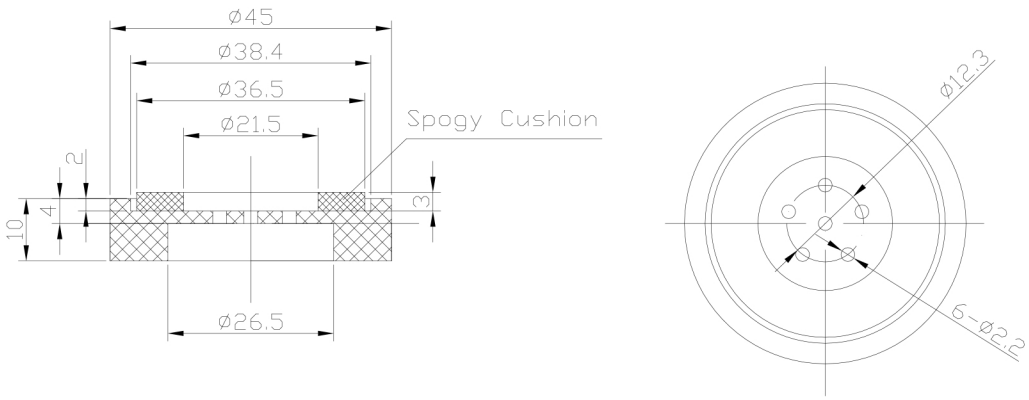

Fig.3 Earpiece for test receiver

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6. RELIABILITY TESTS

The sound pressure as specified shall neither deviate more than ±3dB from the initial value, nor any significant damage after any of following testing.

6.1 HIGH TEMPERATURE TEST

High temperature: **+65±3℃**

Duration: **96 hours**

6.2 LOW TEMPERATURE TEST

Low temperature : **-25±3℃**

Duration: **96 hours**

6.3 HUMIDITY TEST

Temperature: **+40±3℃**

Relative humidity: **90～95%**

Duration: **96 hours**

6.4 VIBRATION TEST

Vibration: **10~55Hz/min**

Amplitude: **1.5mm**

Duration: **2 hours each axes**

6.5 TEMPERATURE CYCLE TEST (See in Fig.4)

Temperature:	**-20℃**	**+65℃**
Duration:	**2 hours**	**2 hours**

Cycle: **2**

6.6 DROP TEST

Mounted with dummy set mass: **100 g**

Height: **1.5 m**

Cycle: **6 (1 each plain)onto the concrete board**

6.7 LOAD TEST

Receiver mode: White noise (EIA filter) for **24 hours @30mW** input power.

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■ TEMP. CYCLE TEST (Fig.4)

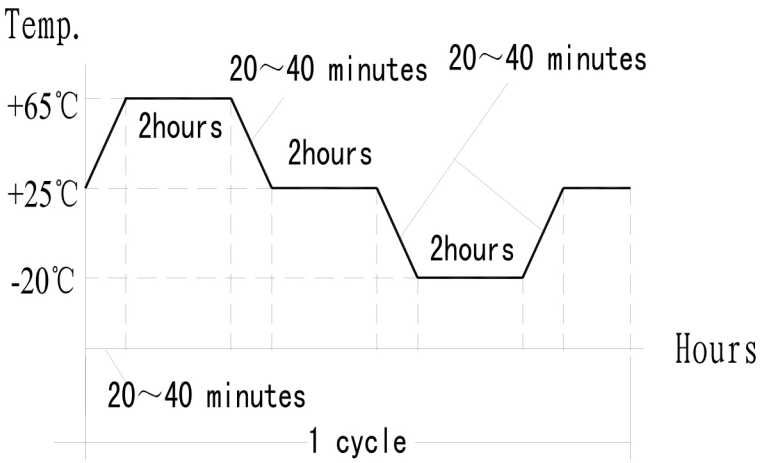

Fig.4 Illustration of temp. cycle test

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6. DIMENSIONS (Fig.5)

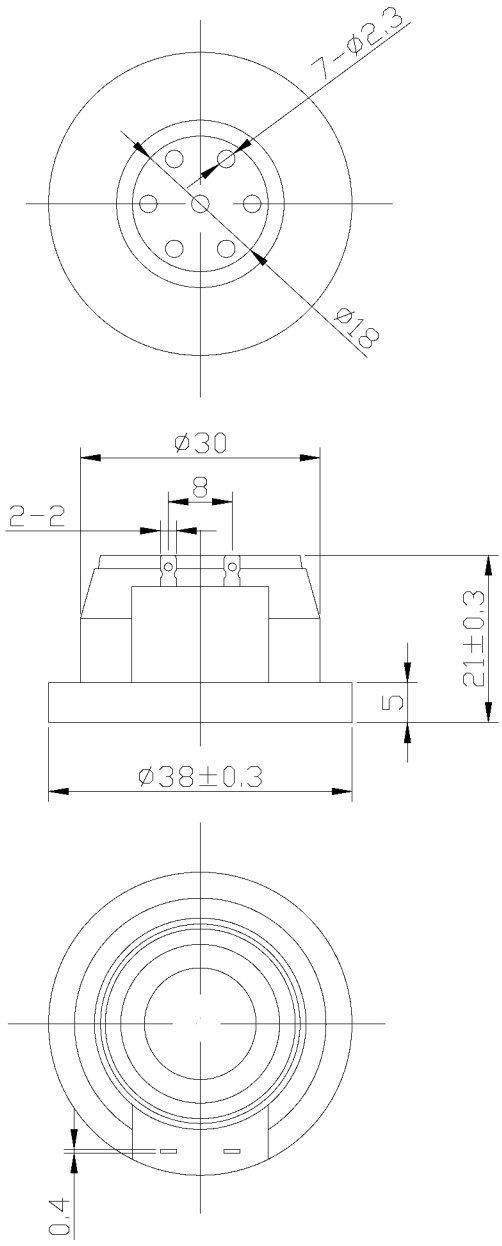

Fig.5 Outer dimension

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