

SPECIFICATION		TYPE	SHH-1 (350 Ω)	P1/6
ISSUED DATE				
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

100±3dB @1KHz (0dB =20μPa)

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

4.2 IMPEDANCE: 350±30% 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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■ **FREQUENCY MEASURING DIAGRAM (RECEIVER MODE) (Fig.1)**

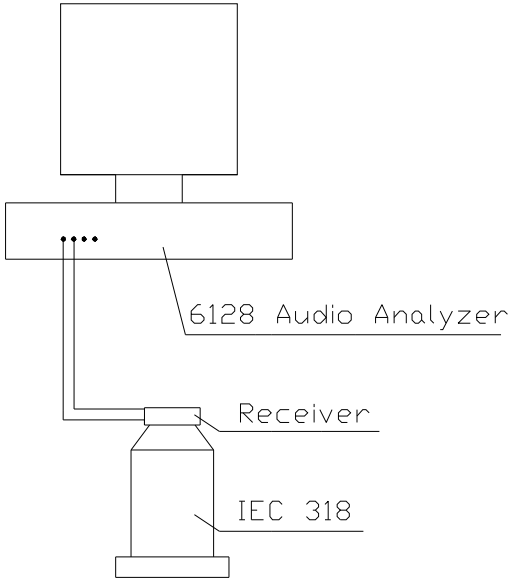


Fig.1 Illustration of measuring diagram

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

上限:

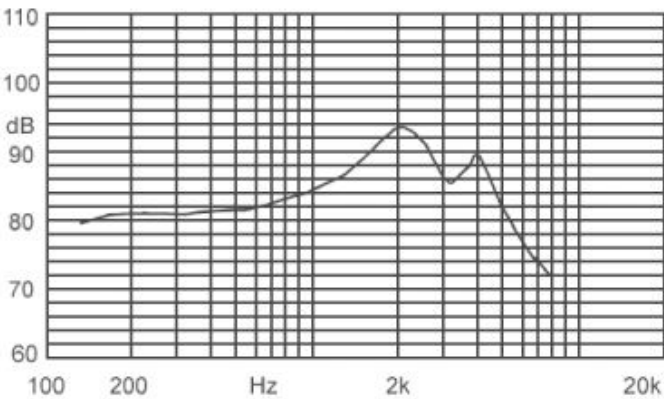


Fig.2 Frequency response mask

■ **EARPIECE(Fig.3)**

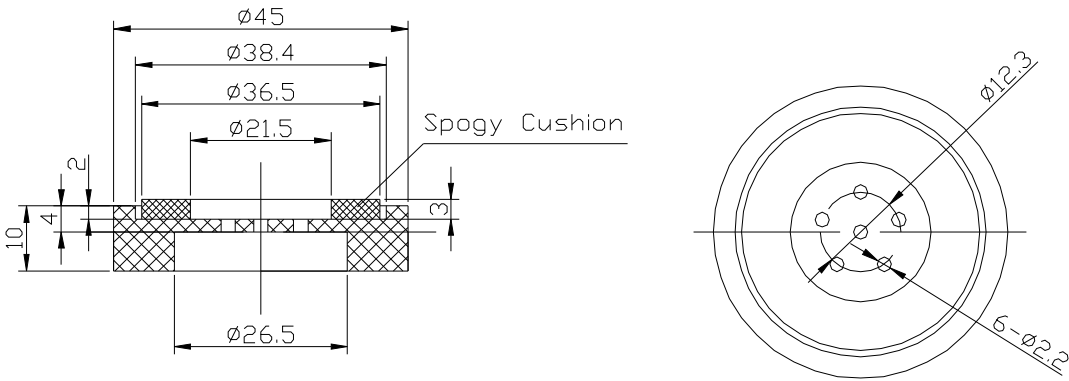


Fig.3 Earpiece for test receiver

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5. RELIABILITY TESTS

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.

5.1 HIGH TEMPERATURE TEST

High temperature: **+65 $\pm$ 3℃**
Duration: **96 hours**

5.2 LOW TEMPERATURE TEST

Low temperature : **-25 $\pm$ 3℃**
Duration: **96 hours**

5.3 HUMIDITY TEST

Temperature: **+40 $\pm$ 3℃**
Relative humidity: **90~95%**
Duration: **96 hours**

5.4 VIBRATION TEST

Vibration: **10~55Hz/min**
Amplitude: **1.5mm**
Duration: **2 hours each axes**

5.5 TEMPERATURE CYCLE TEST (See in Fig.4)

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

5.6 DROP TEST

Mounted with dummy set mass: **100 g**
Height: **1.5 m**
Cycle: **6 (1 each plain) onto the concrete board**

5.7 LOAD TEST

Receiver mode: White noise (EIA filter) for **24 hours @1mW** input power.

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■ TEMP. CYCLE TEST (Fig.4)

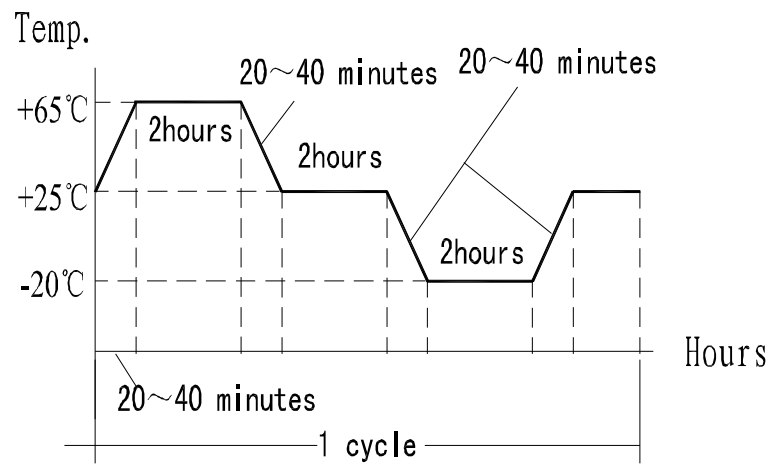


Fig.4 Illustration of temp. cycle test

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6. DIMENSIONS (Fig.5)

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

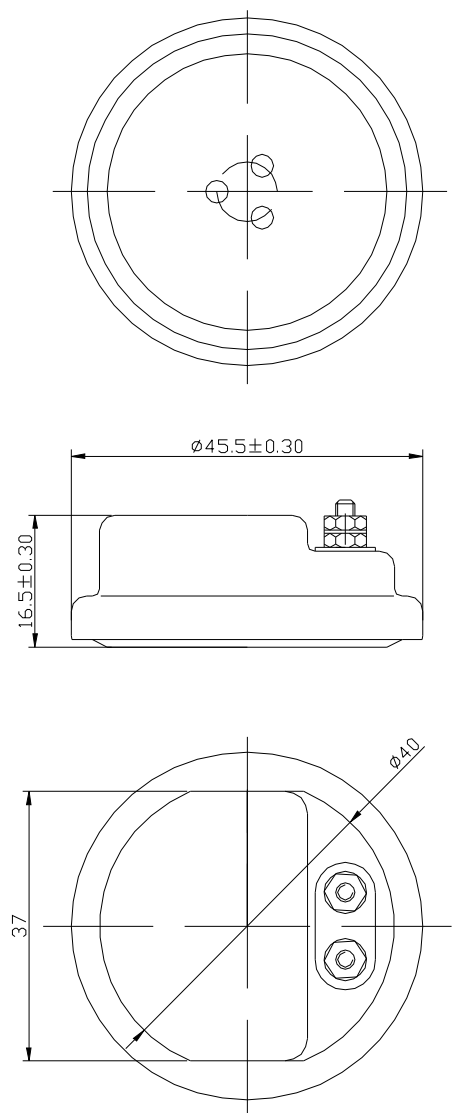


Fig.5 Outer dimension

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