



深圳市兴华鑫电子科技有限公司

Shenzhen xinghuaxin Electronic Technology Co., Ltd

承認書

SPECIFICATION FOR APPROVAL

客戶 (Customer):

客戶料號 (Customer P/N):

興華鑫型號 (Supplier P/N):

XHxDZ-SD150 受話器

產品名稱 (Description):

咪头 (Microphone)

產品規格 (Specification):

SD150 受話器

客戶承認欄 (Customer Authorization Signature)	深圳市興華鑫電子科技有限公司 承認欄 (Supplier Audit)		
	審核	檢查	制作
	唐国兴	唐玉来	吴银娟
	日期: 2022 年 04 月 19 日 版次: A		

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产品规格内容

MODEL:SD150

1. SCOPE

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

2. MECHANICAL LAYOUT & DIMENSIONS

shown in Fig-8

3. GENERAL REQUIREMENTS

3.1 WEIGHT:Approx 30 grams

3.2 OPERATING TEMPERATURE RANGE: -25°C to $+65^{\circ}\text{C}$

3.3 STORAGE TEMPERATURE RANGE: -25°C to $+65^{\circ}\text{C}$

3.4 JUDGEMENT CONDITIONS:

Temperature:	$20\pm 2^{\circ}\text{C}$
Relative Humidity:	60%~70% (RH)
Air Pressure:	860~1060hPa

4. ELECTROACOUSTIC CHARACTERISTIC

4.1 SOUND PRESSURE LEVEL

$98\pm 2\text{dB SPL}$ At 1KHz ($0\text{dB SPL}=20\mu\text{Pa}$)

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

4.2 IMPEDANCE: $150\pm 20\%$ ohm(at 1KHz)

4.3 MEASURING CIRCUIT: Shown in Fig-1.

4.4 FREQUENCY RESPONSE CURVE: Shown in Fig-2.

4.5 RATE POWER: 30mW MAX POWER:50mW

4.6 EARPIECE: Shown in Fig-3.

4.7 DISTORTION: $<5\%$ THD @ 105dB at 300~3400Hz

The distortion is measured as shown in Fig-1.

4.8 TERMINAL STRENGTH: Should afford 1Kg for 15sec and without resulting in any damage or rejection.

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产品规格内容

4.9 MF intensity: 0dB=1A/m

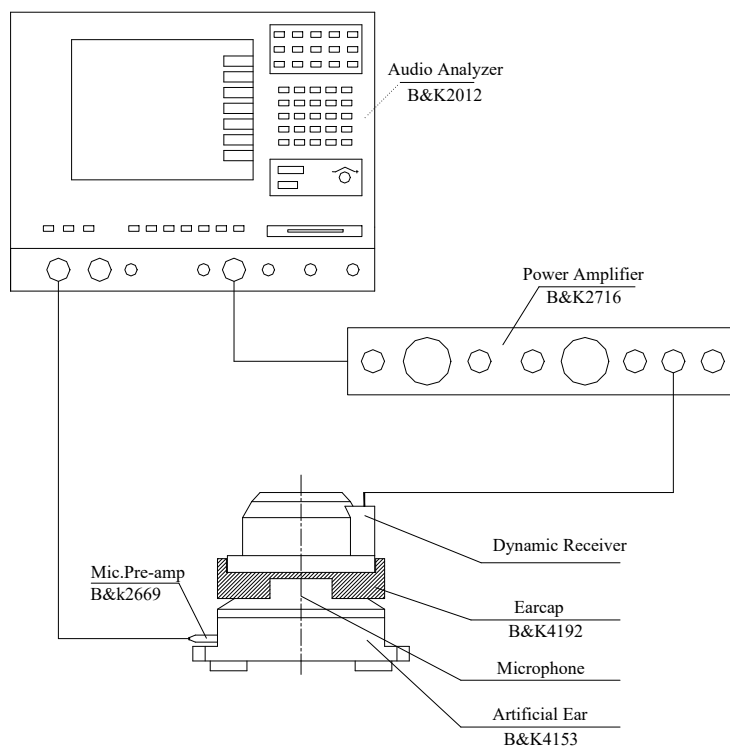
4.9.1 Axial field intensity

Greater than -19dB relative to 1A/m for an input of 60mV at 1KHz

4.9.2 Radial field intensity

Greater than -22dB relative to 1A/m for an input of 60mV at 1KHz
measurement shall be shown in Fig-4/Fig-5

■ FREQUENCY MEASURING CIRCUIT (Fig-1)



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产品规格内容

■ FREQUENCY RESPONSE CURVE (Fig-2)

RECEIVER

JH6160(R) ELECTRO-ACOUSTICAL TEST INSTRUMENT

04/19/2011 10:10

Model:SD150

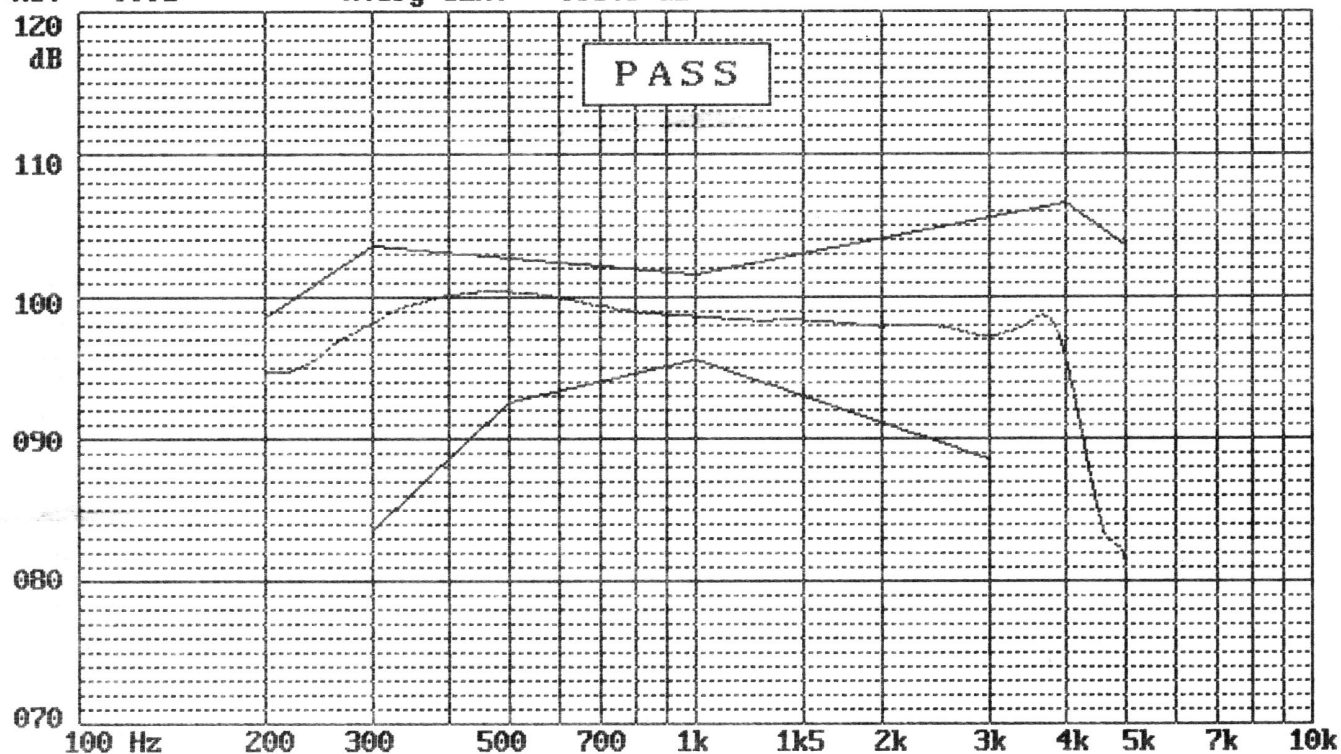
1kHz SEN. : 098.5 dB PASS

1kHz Imp. : 142.0 R PASS

No. :0001

Averg SEN. : 096.9 dB

1kHz H.A.C. dB



Test Voltage: 60 mVAC

Artificial Ear: IEC318

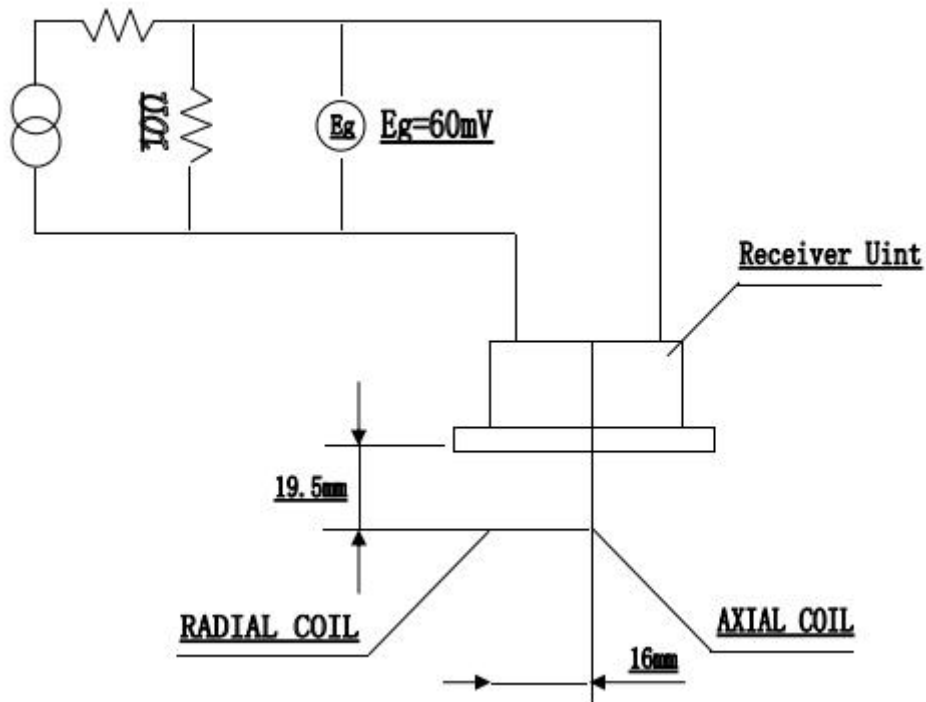
Magn dB rel 20.0 μ Pa

↑↓:SPEED F1:SETUP F2:NEXT F3:FREEZE F4:PRINT F5:SAVE F6:Ch/En ESC:EXIT

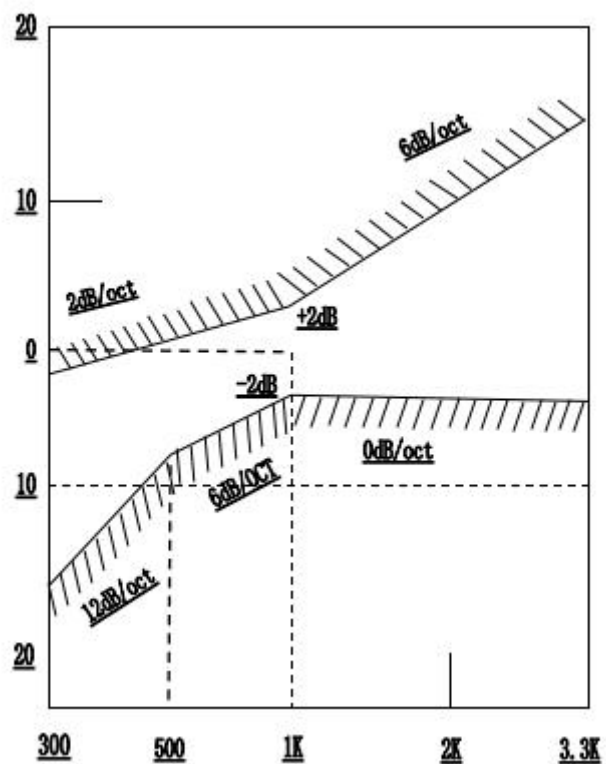
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■ H. A. C MEASURING CIRCUIT (Fig-4)



■ H. A. C RESPONSE CURVE (Fig-5)



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产品规格内容

5. RELIABILITY TESTS

① AFTER TESTS

Sensitivity difference shall be within $\pm 3\text{dB}$ after test(at 1KHz)

② HIGH TEMPERATURE TEST

High temperature: $+65^{\circ}\text{C} \pm 2^{\circ}\text{C}$

Duration : 96hours

③ LOW TEMPERATURE TEST

Low temperature: $-25^{\circ}\text{C} \pm 2^{\circ}\text{C}$

Duration : 96hours

④ HUMIDITY TEST

Temperature: $+40^{\circ}\text{C} \pm 2^{\circ}\text{C}$

Relative humidity: 90%

Duration : 96hours

⑤ VIBRATION TEST

Vibration : 10-55Hz/min

Amplitude : 1.5mm

Duration : 2hours each axes

⑥ TEMPERATURE CYCLE TEST (See in Fig6)

Temperature : -25°C $+65^{\circ}\text{C}$

Duration : 2hours 2hours

Cycle : 6 cycle

⑦ DROPTTEST (With handset or Approved equipment) See in Fig7

Height : 1.5m

Cycle : 6 cycles onto the 5mm wooden board

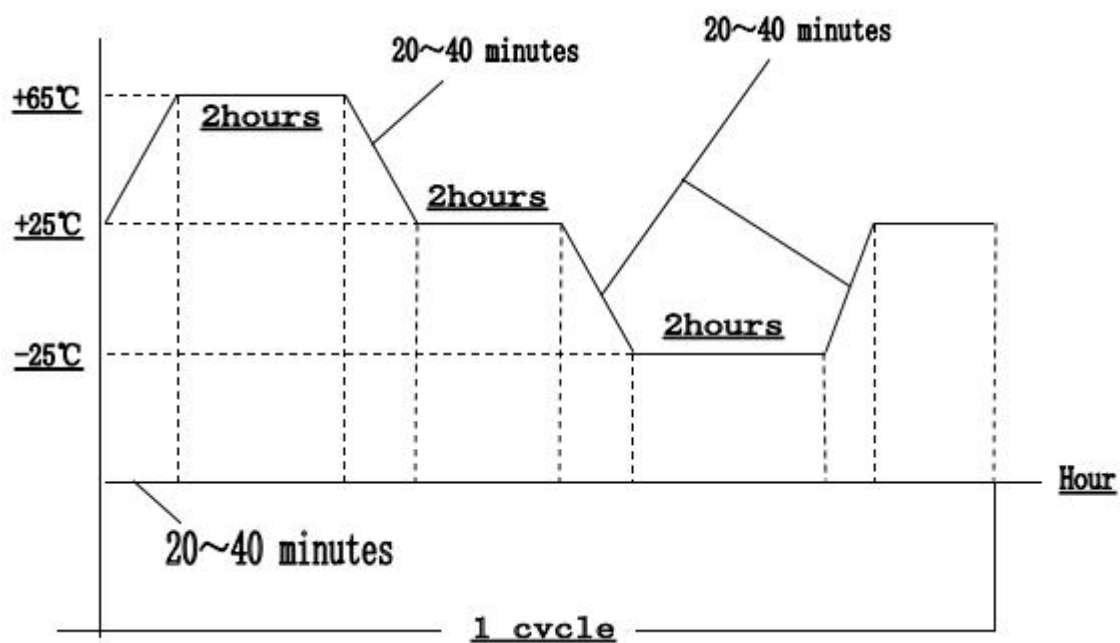
⑧ LOAD TEST

Subject samples to White Noise(EIA filter)for 24 hours at 30mW input power.

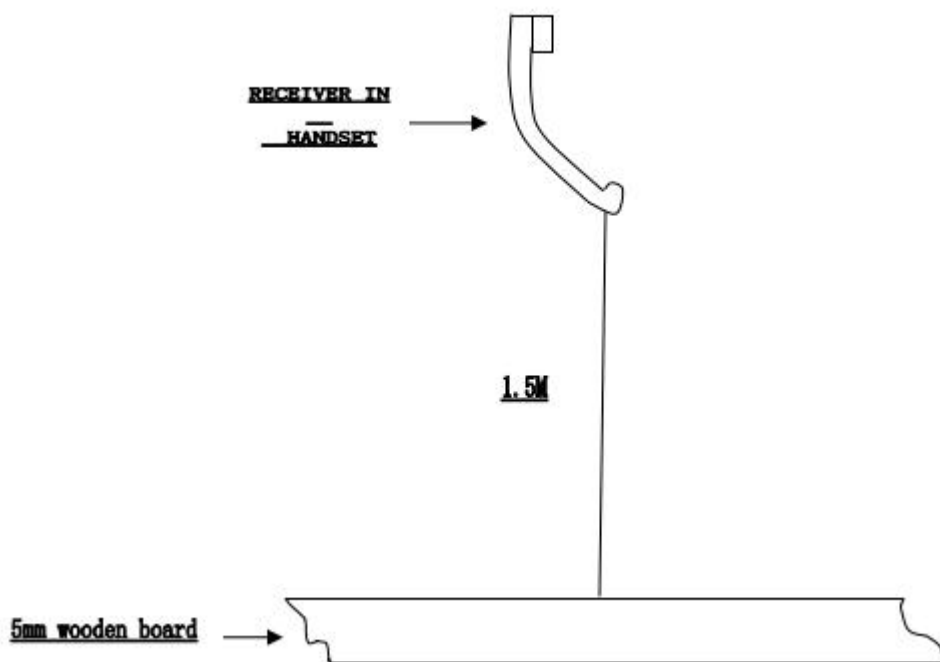
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产品规格内容

■ TEMP. CYCLE TEST (Fig-6)



■ DROP TEST (Fig-7)



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6. DIMENSIONS (Fig-8)

unit :mm

unless otherwise specified , tolerance: ± 0.5

