

規格承認書

PECIFICATION FOR APPROVAL

客 戶

CUSTOMER : _____

項 目

ITEM : 铁壳内磁喇叭 带耳朵 _____

型 號

TYPE : GSPK4005TN-4R3W-E-L60 _____

描述

DESCRIPTION : $\Phi 40 \times 5.7\text{MM}$ 单大磁 4 Ω 3W 红黑线 L60mm S.P.L: 92dB $\pm$ 3dB _____

客戶料號

CUSTOMER NO. : _____

規 格 書 號

SPECIFICATION NO.: _____

版 本

EDITION NO. : V1.0 _____

日 期

DATE : 20 _____

客戶承認

CUSTOMER CONFIRM AND SIGN

檢 查 TESTED BY	審 核 CHECKED BY	承 認 APPROVED BY

東莞市贏海電子有限公司

DONGUAN INGHAI ELECTRONICS CO.,LTD

製 作 ISSUED BY	審 查 CHECKED BY	確 認 APPROVED BY
周 明	李 林	

地址：珠海市金湾区红旗镇金荷路 568 号广科产业创新园

電話 / TEL: 180

網址: [HTTP://WWW.INGHAI.COM](http://www.inghai.com)

MODEL :

1. SCOPE

This specification cover our product of speaker for use in your products.

2. MECHANICAL LAYOUT & DIMENSIONS

Shown in Fig.5

3. GENERAL REQUIREMENTS

3.1 WEIGHT: Approx gram

3.2 OPERATING TEMPERATURE RANGE: -25°C to +65°C

3.3 STORAGE TEMPERATURE RANGE: -25°C to +65°C

3.4 STANDARD CONDITIONS:

Temperature: 17~25°C

Relative Humidity: 45%~80% (RH)

Air Pressure: 860~1060hPa

3.5 JUDGEMENT CONDITIONS:

Temperature: $20 \pm 2^\circ\text{C}$

Relative Humidity: 60%~70% (RH)

Air Pressure: 860~1060hPa

4. SPEAKER MODE

4.1 SOUND PRESSURE LEVEL

$92 \pm 3\text{dB SPL}$ At 800, 1000, 1200, 1500Hz in average (0dB SPL=20 μPa)

Input voltage: 0.1W(Sine wave)0.1M Measured baffler recommended.

4.2 IMPEDANCE: $4 \pm 15\%$ ohm(at 1000Hz 1.0V)

4.3 RESONANCE FREQUENCY: $500 \pm 20\%$ Hz at 1V. (No Baffler)

4.4 TOTAL HARMONIC DISTORTION: Less than 5% at 1KHz ,1.0m,1W

4.5 MEASURING CIRCUIT: Shown in Fig.1.

4.6 FREQUENCY RESPONSE CURVE: Shown in Fig.2.

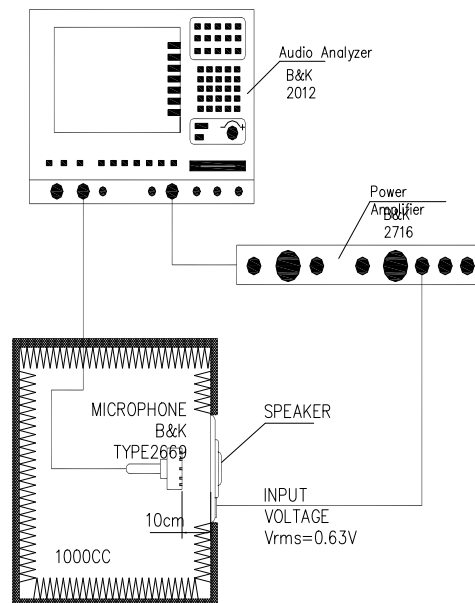
4.7 RATED POWER: 3.0 W. **MAX POWER:** 3.5 W.

4.8 PURE SOUND DETECTION: Buzz,Rattle,etc Should not be audible at 3.5V sine wave from 200 Hz to 5K Hz.

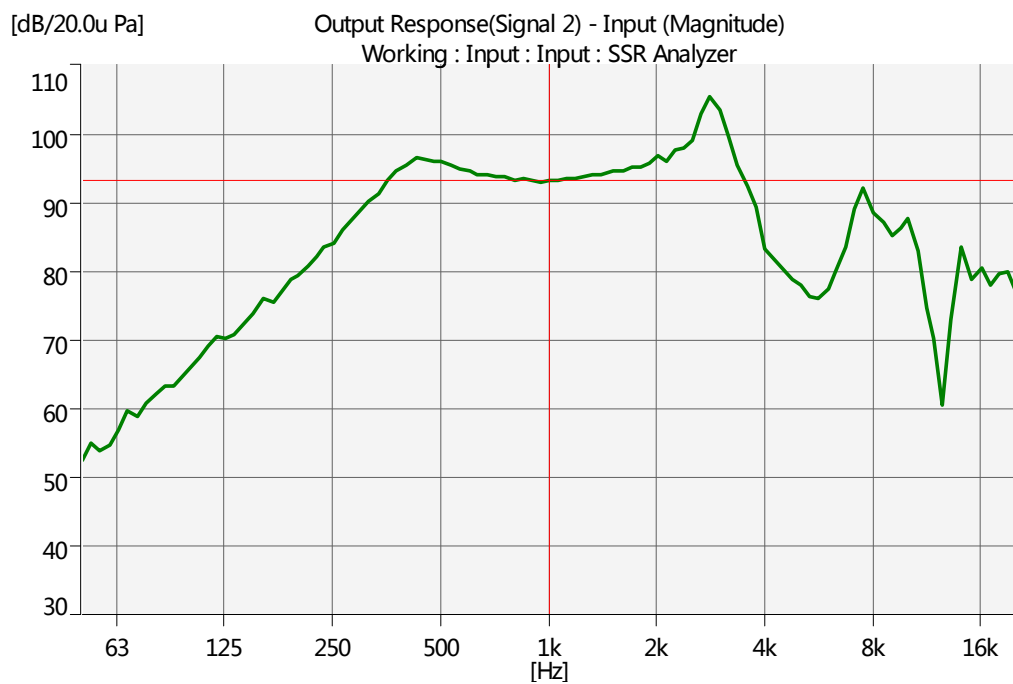
4.9 POLARITY: When a positive DC current is applied to the terminal marked (+), diaphragm shall move forward.

MODEL :

■ FREQUENCY MEASURING CIRCUIT (Fig. 1)



■ FREQUENCY RESPONSE CURVE (Fig. 2)



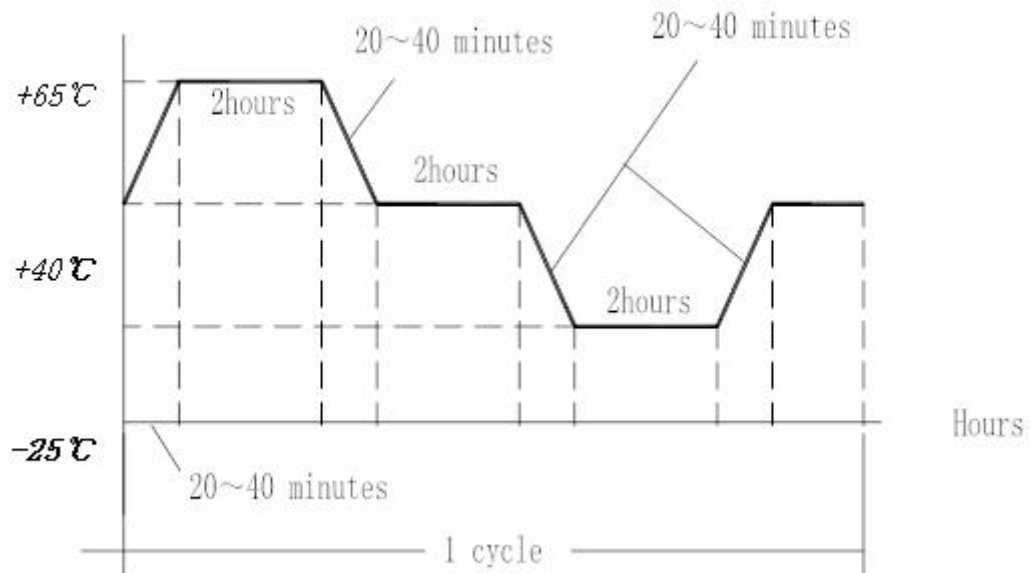
MODEL :

5. RELIABILITY TESTS

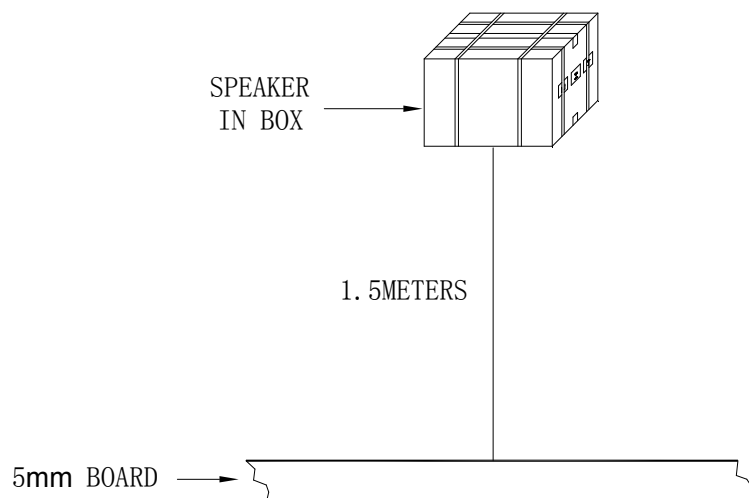
	<p>① AFTER TEST</p> <p>Sensitivity difference shall be within $\pm 3\text{dB}$ after test (at $800 \sim 1500\text{KHz}$ average value), pure sound detection is normal when the sample is recovered 4 hours at house temperature</p>
	<p>② HIGH TEMPERATURE TEST</p> <p>High temperature: $+65^{\circ}\text{C} \pm 2^{\circ}\text{C}$ Duration : 96 hours</p>
	<p>③ LOW TEMPERATURE TEST</p> <p>Low temperature : $-25^{\circ}\text{C} \pm 2^{\circ}\text{C}$ Duration : 96 hours</p>
	<p>④ HUMIDITY TEST</p> <p>Temperature : $+30^{\circ}\text{C} \pm 2^{\circ}\text{C}$ Relative humidity: 90~95% Duration : 96 hours</p>
	<p>⑤ TEMPERATURE CYCLE TEST (See in Fig.3)</p> <p>Temperature : -25°C $+65^{\circ}\text{C}$ Duration : 2 hours 2 hours Cycle : 6 cycle</p>
	<p>⑥ VIBRATION TEST</p> <p>Vibration : 10-55Hz/min Amplitude : 1.5mm Duration : 2 hours each axes</p>
	<p>⑦ DROP TEST(With handset or Approved equipment) See in Fig.4</p> <p>Height : 1.5 m Cycle : 6 cycles onto the 5mm board</p>
	<p>⑧ LOAD TEST</p> <p>Subject samples to White Noise for 96 hours at 2.0 W input power.</p>

MODEL :

■ TEMP. CYCLE TEST (Fig. 3)

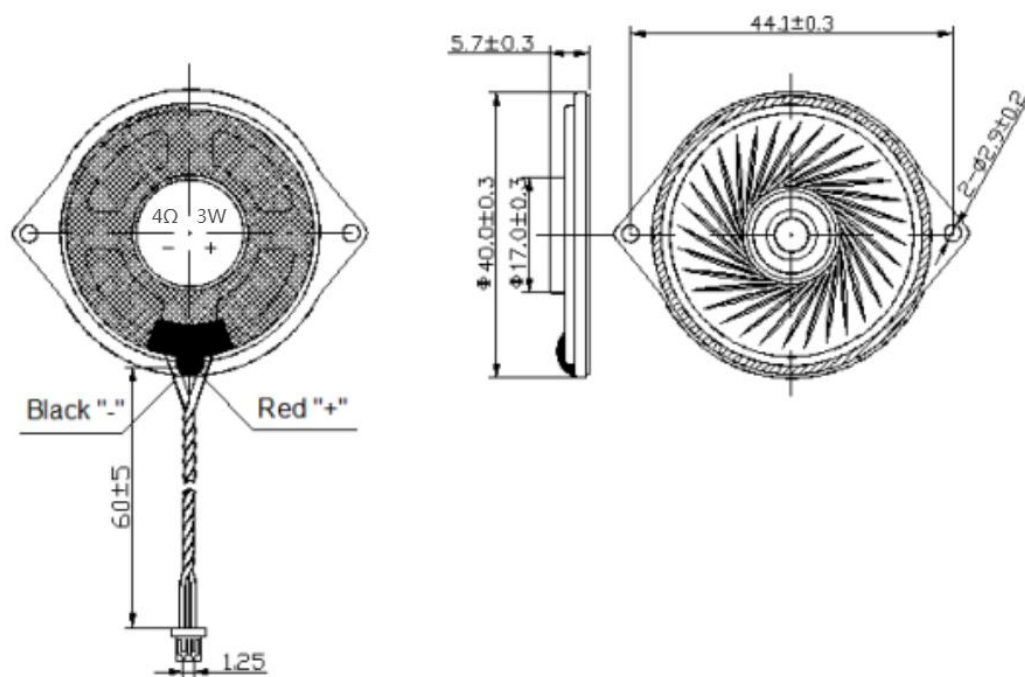


■ DROP TEST (Fig. 4)



MODEL :

■ TEMP. CYCLE TEST (Fig. 5) 立创样品只焊线不带端子



View direction:

