

規格承認書

PECIFICATION FOR APPROVAL

客 戶

CUSTOMER : 立創

項 目

ITEM : 塑壳插针内磁喇叭

型 號

TYPE : GSPK3013P-8R0.15W

描述

DESCRIPTION : $\phi 30.0 \times H13 \text{ mm}$ 8 Ω 0.15W S.P.L: 83 dB+/- 3dB

客戶料號

CUSTOMER NO. :

規 格 書 號

SPECIFICATION NO.:

版 本

EDITION NO. : V1.0

日 期

DATE : 2020-6-15

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
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A. 范围/SCOPE

该规格书适用于移动电话等使用的扬声器单元。

This Specification Applies to The Speaker, Used In Mobilephone sec.

B. 型号/PART No

客户型号/Customer'S Part no:

本公司型号/Our Part no : GSPK3013P-8R0.15W

C. 尺寸与重量/TYPE

30*13mm 圆形喇叭 电动式/ 20mm Rectangle Dynamic type

D. 尺寸与重量/DIMENSION

尺寸: 参考外观图面 (Figure.3)

Dimension: Refer To The Appearance Drawing. (Figure.3)

重量: 11 /±0.1g

Weight: 11 /±0.1g

E. 标准测试条件/STANDARD TEST CONDITION

在没有其他特别指定时, 测试应如下所记的标准测试条件下进行。

Unless Otherwise Specified, The Test Shall Be Made Under The Standard Conditions.

- 温度/Temperature : 17℃~25℃ (Standard: 20.5℃)
- 相对湿度/Relative Humidity : 30%~85% (Standare: 85%)
- 大气压力/Pressure : 86Kpa~106Kpa(Standard: 101.3 Kpa)

F. 使用与储存温度/OPERATION AND STORAGE TEMIPERATURE

- 使用温度/Operation Temperature : -40℃~85℃
- 储存温度/Storage Temperature : -40℃~ 85℃

G. 电气特性规格/Electrical Specification

参考特性规格页面/Refer To The Appearance Page

H. 外观与尺寸：参考附图

Appearance & Size: Refer To The Appearance Drawing

1. 额定/Rated

项目/Items	规格/Specification	条件/Conditions
额定阻抗/Rated Impedance	8 Ohm $\pm$ 15%	At 1kHz 1.0 V
额定输入功率/Rated input power	0.15W	At 2.0 V
最大输入功率/Max input power	0.2W	At 2.0V
最低共振频率 /Min Resonant Frequency	1200 $\pm$ 20% Hz	1.0 V Input
灵敏度/Sound pressure level	83 $\pm$ 3dB	At 0.1m 0.1W
有效频率范围 /Effective Frequency Range	F0~20KHz	
谐波失真/THD	$\leq$ 5% at 1kHz	

2. 动作检查/OPERATIONAL TEST

项目/ITEM	信号/SIGNAL	输入/INPUT	扫频范围/SWEEP RANGE
SWEEP TEST	Sine Wave	0.15W(2.0V)	200~5000Hz

- 在动作检查中不得有异常音出现
- Without Abnormal Sound In Operation Test.

3. 负荷实验/LOAD TEST

项目/ITEM	信号/SIGNAL	输入/INPUT	驱动时间 DRIVING TIME
Continuous load Test	White Noise (Sunlilab Model 8121C)	0.15W(2.0V)	96 hours

- 负荷实验后，常温两小时存放再次听音不得有异常音出现，灵敏度应保持在限度范围内。
- Store At Normal Temperature For Two Hours After Load Test ,Without Abnormal Sound In Sweep Test, And The S.P.L Shall Be In The Limit.

4. 可靠性实验/Reliability Test

项目/Item	条件/Condition	判定/Judgement
高温放置实验 High Temp Storage Test	85 $\pm$ 2 $^{\circ}$ C/20~40%RH/96H & 20 $\pm$ 5 $^{\circ}$ C,2H	实验完成后产品应满足上述 第 1, 2, 3 项要求. Clause 1, 2, 3 Shall be Satisfied After Test
低温放置实验 Low Temp Storage Test	-30 $\pm$ 2 $^{\circ}$ C/20~40%RH/96H & 20 $\pm$ 5 $^{\circ}$ C,2H	

耐湿实验 Humidity Test	$40^{\circ}\text{C}\pm 2^{\circ}\text{C}/90\sim 95\%\text{RH}/96\text{H}$ & $20^{\circ}\text{C}\pm 5^{\circ}\text{C}, 1\text{H}$	
耐高温负荷实验 Heat Running Test	$85^{\circ}\text{C}\pm 2^{\circ}\text{C}/20\sim 40\%\text{RH}, 1\text{H}$	
耐低温负荷实验 Cold Running Test	$-40^{\circ}\text{C}\pm 2^{\circ}\text{C}/20\sim 40\%\text{RH}, 1\text{H}$	
热冲击实验 Thermal Shock Test	$85^{\circ}\text{C}\pm 2^{\circ}\text{C} - -40^{\circ}\text{C}\pm 2^{\circ}\text{C} - 85^{\circ}\text{C}\pm 2^{\circ}\text{C} 5\text{ Cycles}$	
震动实验 Vibration Test	X: 10Hz ; Y: 40Hz ; Z: $10\text{Hz}/2\text{H}$	

5.跌落实验/DROP TEST

项目/Item	条件/Condition	判定/Judgement
Drop Test	产品在包装状态下,从 1 米高处向混凝土地面跌落:6 面 8 角各一次 Speaker Shall Be Packed In The Carton And Dropped To The Concrete Floor(High:1m):Once Each 6 flat and 8 Angle	实验完成后新产品应满足上述第 3 项要求 Clause 3 Shallbe Satisfied After Test

典型频响曲线 /TYPICAL FREQUENCY RESPONSE CURVE

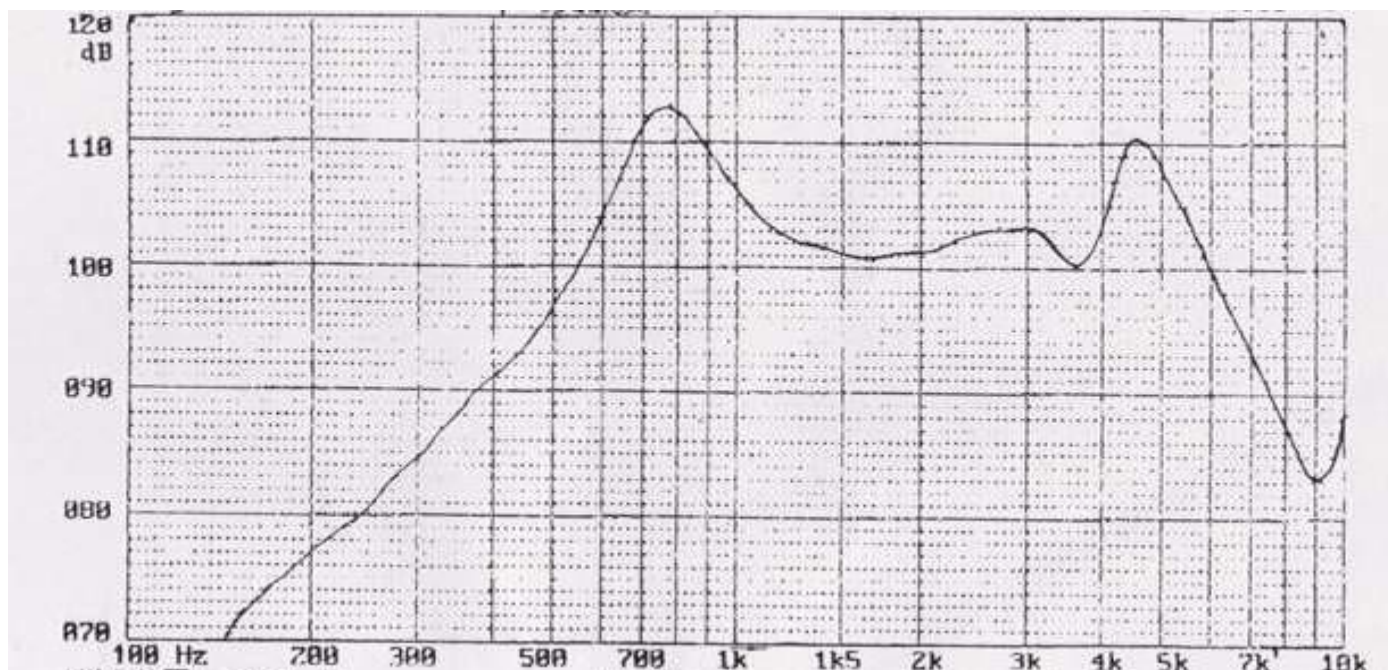


Figure.1■

FREQUENCY MEASURING CIRCUIT AND EAR PIECE

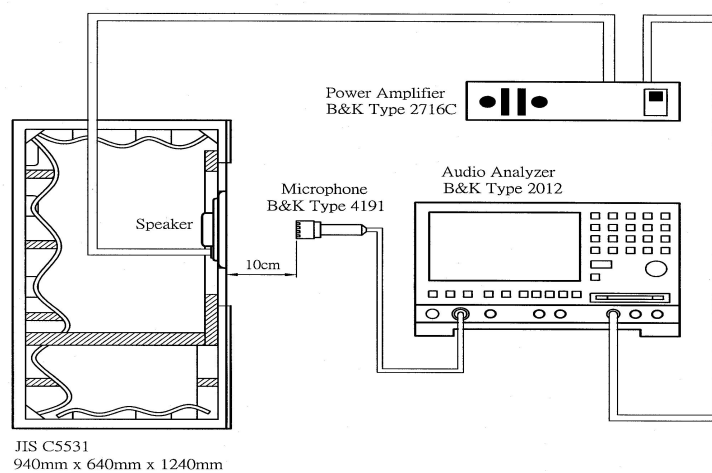
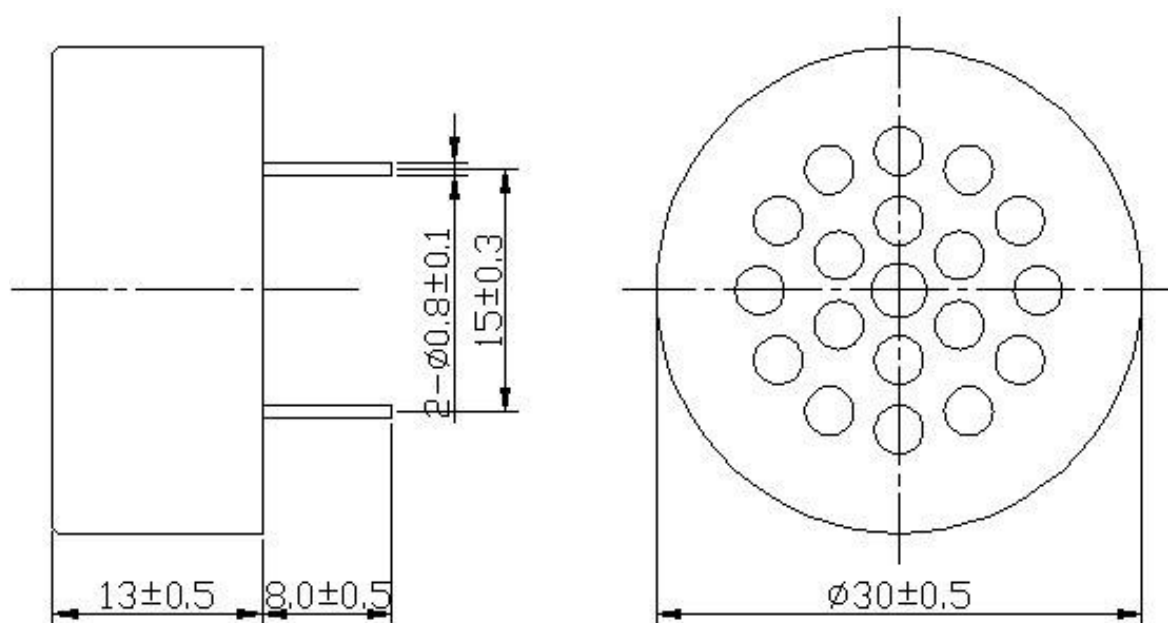


Figure.2

■ 产品外观图/ DIMENSIONAL DRAWING



ITEM	DESCRIPTIONS	SPEC.	SUPPLIER	QTY	REMARK
1	Front foam ring	Adhesive		1	V+1
2	Front cover	1Cr18Ni9		1	V+1
3	Diaphragm	PEN		1	V+1
4	Voice coil	Self-bonding wire		1	V+1
5	Inner pole shoe	08F,		1	V+1
6	Magnet	Nd-Fe-B		1	V+1
7	U YOKE	SPCE		1	V+1
8	PCB	T0.3		1	V+1
9	Lead wire	UL1571 AWG30#		2	V+1
10	Yoke assembly	PBT, black		1	V+1
11	Insulator pad	Mylar		0	V+1

Figure.3

■ 包装明细/Packaging details

