

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-8R1W

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 ± 0.1 g

Weight: 11 ± 0.1 g

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 Apprarance Drawing

1. 额定/Rated

项目/Items	规格/Specification	条件/Conditions
额定阻抗/Rated Impedance	8 Ohm±15%	At 1kHz 1.0 V
额定输入功率/Rated input power	1W	At 2.0 V
最大输入功率/Max input power	1.5W	At 2.0V
最低共振频率 /Min Resonant Frequency	1200±20% Hz	1.0 V Input
灵敏度/Sound pressure level	83±3dB	At 0.1m 1W
有效频率范围 /Effective Frequency Range	F0~20KHz	
谐波失真/THD	≤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	1W(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)	1W(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℃±2℃/20~40%RH/96H & 20℃±5℃,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℃±2℃/20~40%RH/96H & 20℃±5℃,2H	

耐湿实验 Humidity Test	40℃±2℃/90~95%RH/96H & 20℃±5℃, 1H	
耐高温负荷实验 Heat Running Test	85℃±2℃/20~40%RH, 1H	
耐低温负荷实验 Cold Running Test	-40℃±2℃/20~40%RH, 1H	
热冲击实验 Thermal Shock Test	85℃±2℃ — -40℃±2℃ — 85℃±2℃ 5 Cycles	
震动实验 Vibration Test	X: 10Hz; Y: 40Hz; Z: 10Hz /2H	

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 Shall be Satisfied After Test

典型频响曲线 /TYPICAL FREQUENCY RESPONSE CURVE

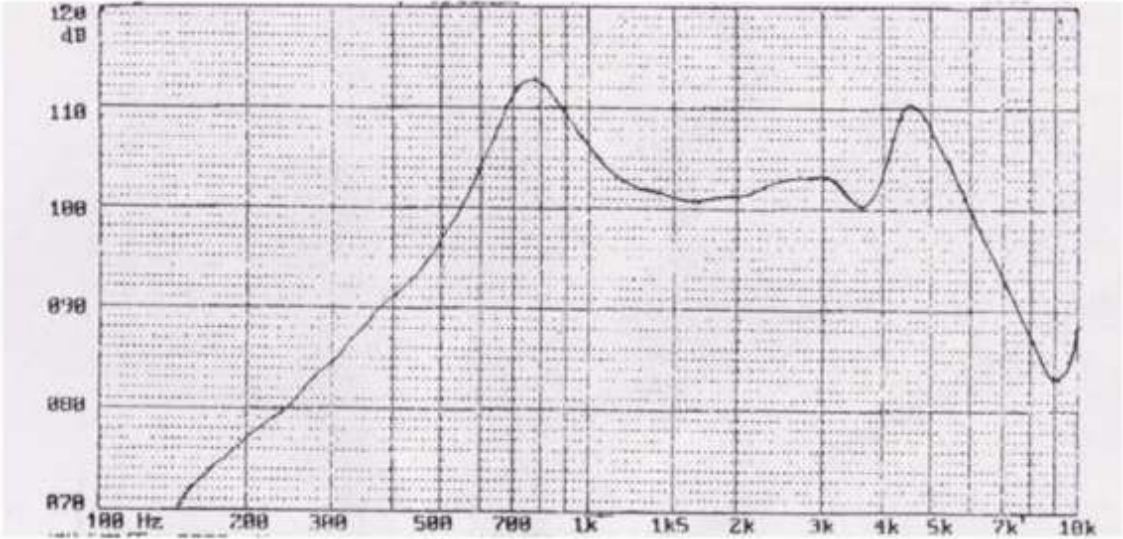


Figure 1 ■
FREQUENCY MEASURING CIRCUIT AND EAR PIECE