

Approval Sheet for Product Specification

承 认 书

PRODUCT NAME 【产品名称】: speaker

CUSTOMER PART NO 【客户型号】:

QINGLONG PART NO 【我司型号】: QP28M08-1-R

DESCRIPTION 【规 格】: 8Ω 0.5W

CUSTOMERS 【客户名称】:

【注意/note】

1. This product shall comply with RoHs. 上本品符合欧洲 RoHs 规定指令.
2. IN CASE OF CHANGES, SUCH AS DIE &MOLD, MANUFACTURING PROCESS, MATERIAL, APPEARANCE, AND INSPECITION etc., THE SAME PROCEDURE IS REQUIRED. 此部品确认后. 如模具、制造方法、材料、外观、检查等发生变更的情况下必须事前由双方进行合议。

APPROV AL SEAL (承认印):

DISCUSS		RESOLUTION		
QA	PURCHASE	ISSUED BY	CHECKED BY	APPROVED BY

1、Scope 范围

This Kind Of Specification Is Applied In Multi-media;

2、Dimension 尺寸

Outer Diameter 28 mm Baffle Opening 6.3mm Height

Refer to drawing in details;

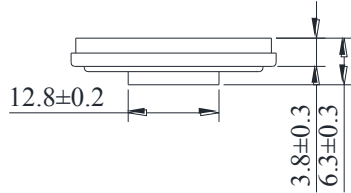
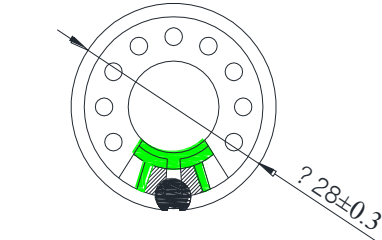
3、Characteristics 特征

3.1 Model 型号	QP28M08-1-R
3.2 Nominal Impedance 阻抗	8 Ohm \pm 15% At 1000 HZ.
3.3 Normal Power 额定功率	0.5 Watt
3.4 Maximum Power 最大功率	1.0 Watt
3.5 Lowest Resonant Frequency 最低共振频率	680 \pm 20% Hz.
3.6 Output Sound Pressure Level (S.P.L.) 灵敏度	85 \pm 3 db/1Watt.1Meter.
	Average at 800, 1000, 1200, 1500 Hz.
3.7 Frequency Range 频率范围	F0~20K Hz , Average SPL-10 db.
3.8 Distortion 失真率	3 % Maxium At 1000 Hz 0.5 W
3.9 Polarity 极 性	Diaphragm shall move forward when Apply a Postive DC current the "+" or "Marked" Terminal
3.10 Weight 重 量	
3.11 Load Test 寿命测试	By Audio Singnal Generator at 2.0 Volts. total 2 hours and 20~20 KHz Resonant Frequency
3.12 Abnormal Sound Test 异音测试	Must be Normally tested By 2.0 Volts Sine Wave

4、Experiment 试验	
4.1 High Temperature Test 高温测试	After having been in a test chamber for 1 hours at the condition of +60 ℃ 20~25% R.h and then left 1 hours in a room
4.2 Low Temperature Test 低温测试	After having been in a test chamber for 1 hours at the condition of -25 ℃±3 ℃ and then left 1 hours in a room
4.3 Humidity Test 湿度测试	After having been in a test chamber for 1 hours at the condition of +40 ℃ 90~95% R.h and then left 1 hours in a room
4.4 Temperature Cycle Test 温度周期测试	After exposure at -25 ℃ for 1 hour ,at 25 ℃,at+60 ℃ for 1 hour(1 cycle) and total 5 cycles and then keep(1Hr)in a room
4.5 Vibration Test 振动测试	To be no interference in operation after vibration 10Hz to 55Hz for 1 minute full amplitude 2mm for 1 hours at X,Y,Z three axes
4.6 Drop Test 跌落测试	To be no interference in operation after dropped to concrete floor each one time from height of 1 metre at three directions each with 3 cycles
4.7 Operation Temperature 工作温度	-25 ℃ ~ +50 ℃
4.8 Storage Temperature 储藏温度	-40 ℃ ~ +60 ℃

Size Diagram:

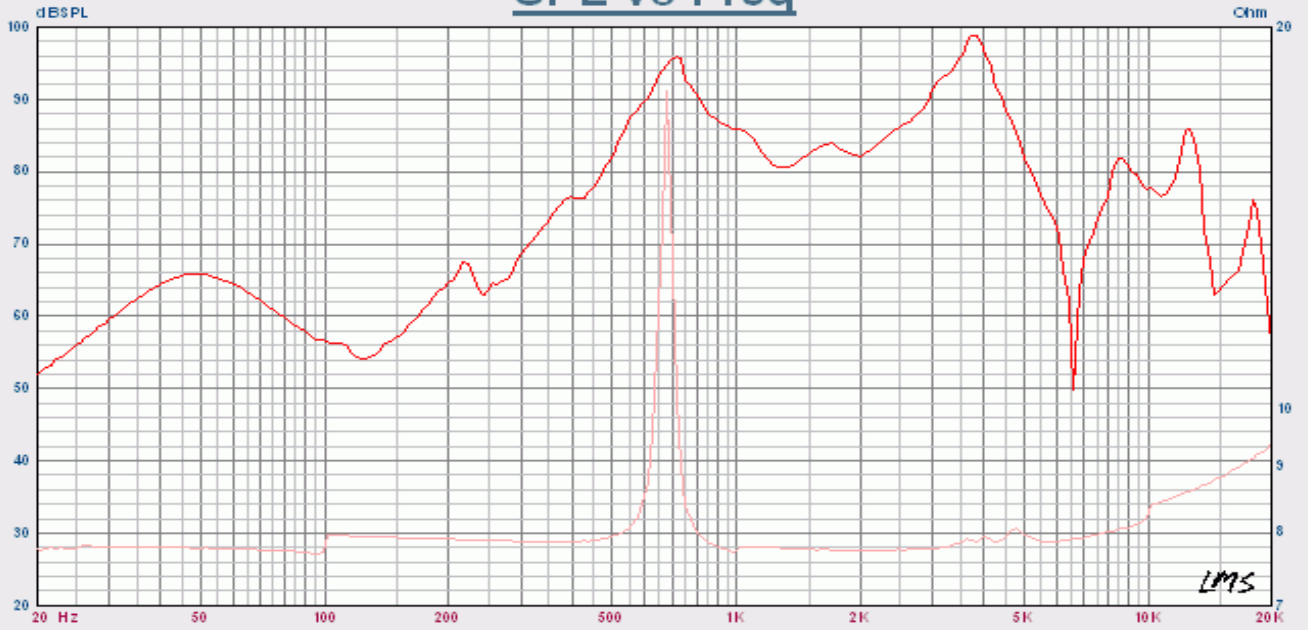
Model : QP28M08-1-R



At Least
1.0mm
For
Diaphragm
Moving
最少保留
振动膜
振动空间
1.0mm

UNIT : mm

SPL vs Freq



Map	25: QO 1506072908R-W SPL	
Notes		
Date Measured: Aug 28, 2015 Fri 6:48 pm		