



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):

XHVDZ-TMB12A03

產品名稱 (Description):

蜂鸣器 (Buzzer)

產品規格 (Specification):

12*9.5MM 3V 一体式

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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1.基本规格/General specification

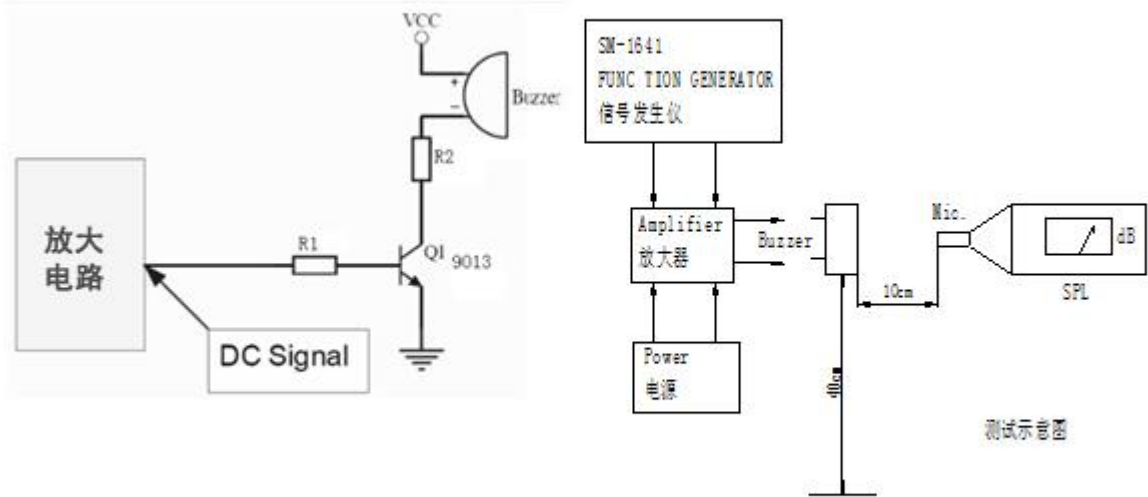
项目/Item		规格/Spec	条件/Condition
1	额定电压 Rated voltage	3VDC	测试环境：标准状态，标准驱动电路， 额定电压 测试距离：0.1m Standard State,Standard Drive Circuit. Rated voltage,Distance at 0.1m
2	工作电压 Operation voltage	1.5-5VDC	
3	声压 Sound Pressure Level=SPL	Min 85dB	
4	电流 current	Max25mA	
5	振荡频率 Oscillation frequency	2400±200Hz	
6	工作温度范围 Operating Temperature	-20~+70℃	
7	保存温度范围 Storage temperature	-30~+80℃	
8	外部尺寸 Externals size （mm）	φ 12*H9.5	参阅附图 Refer to the attached drawing
9	重量 Mass	1.8g	
10	材质 Housing Material	PBT	

2.电气和声学测试条件/Electrical And Acoustical Measuring Condition

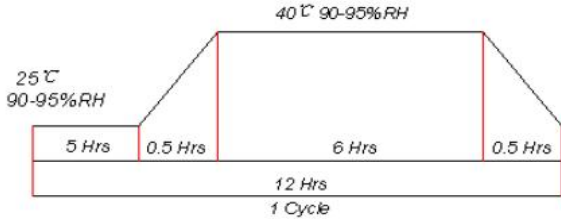
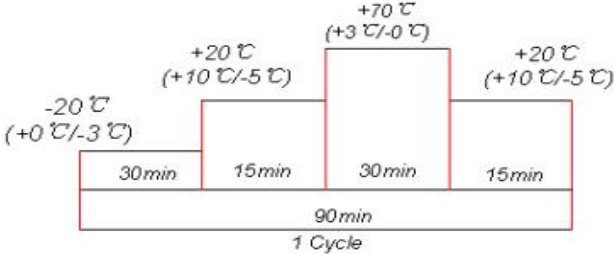
驱动电路/Recommended Driving Circuit

设置Recommended Setting

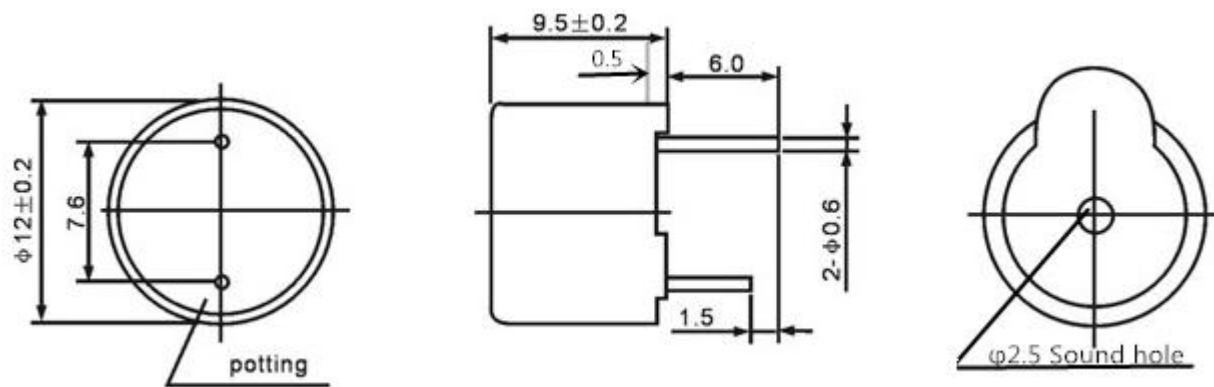
Resonant frequency, 1/2 duty cycle. Square wave.
Signal amplitude should be large enough to saturate the transistor.



3.可靠性测试/Reliability Test

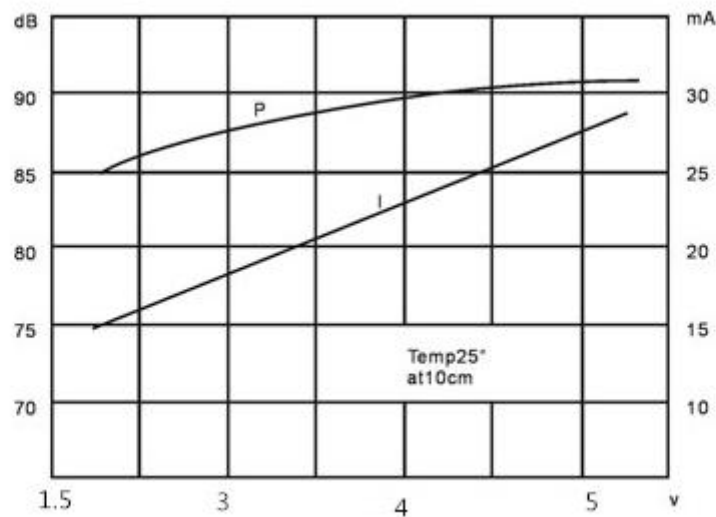
	项目ITEM	测试方法TEST
	高温试验 High Temperature Test	在+80℃±2℃储存温度下存放96小时，恢复2小时后测试 After being placed in a chamber with +80±2℃ for 96 hours and then being placed in normal condition for 2 hours
	低温试验 Low Temperature Test	在-20℃±2℃储存温度下存放96小时，恢复2小时后测试 After being placed in a chamber with -20±2℃ for 96 hours and then being placed in normal condition for 2 hours
	恒定湿热试验 Humidity Test	
	温度变化试验 Temperature Cycle Test	
	跌落试验 Drop Test	70cm高自由掉落到40mm 的木板上，每个方向三次 Drop on a hard wood board of 40mm thick, any directions, three times, at the height of 70cm
	插针的抗拉强度试验 Terminal Strength Pulling Test	插针承受1.0kg拉力，负荷时间5s The force 5 seconds of 1.0kg is applied to each terminal.
	可焊性试验 Solder ability Test	焊锡温度255±5℃，浸润时间为3±0.5s，试验后目测产品情况 Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of 255±5℃ for 3±0.5 seconds.
	回流焊测试 Soldering Test	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of +300 5°C for 3 1 seconds. 90% min. lead terminals shall be wet with solder (Except the edge of terminals).

4.尺寸图Dimension



*Unit: mm; Tolerance: ± 0.3 mm Except Specified
*Housing Material: Black PBT

5.频率响应/Frequency Response



3.0V_{o-p} 50% duty Square wave, 10cm

6.产品包装picking

