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规格书 Specification

品 名
Model name

HMB1206-03
C96101
ROHS

PROPRIETARY
Huaneng Electronic co.,Ltd.

CONFIDENTIAL
Huaneng Electronic co.,Ltd.

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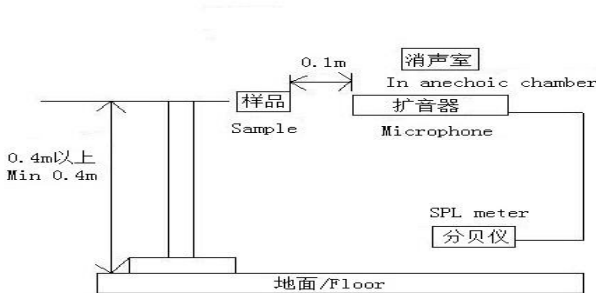
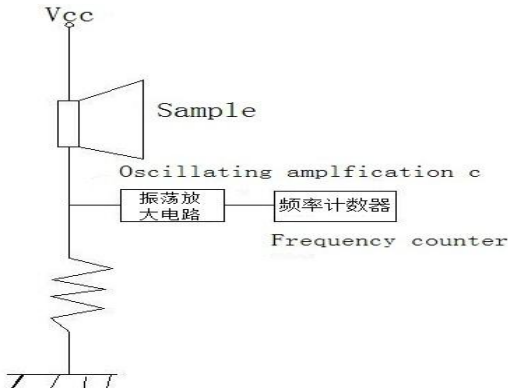
*Components Operating Div.
HuanengElectronic co.,Ltd.*

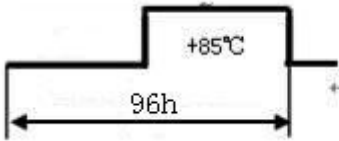
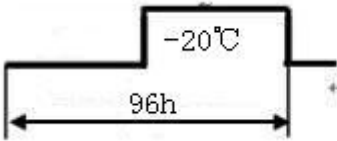
- 1.适用范围：本规范适用于HMB1206-03 ROHS 蜂鸣器。
This specifications apply the HMB1206-03 ROHS buzzer.
- 2.基本规格/General specification

项目/Item		规格/Spec	条件/Condition
1	额定电压 Rated voltage	3VDC	
2	工作电压 Operation voltage	1.5~4VDC	
3	声压 Sound Pressure Level=SPL	Min 85dB	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
4	平均消费电流 Average consumption current	Max 30mA	
5	振荡频率 Oscillation frequency	2300±300Hz	
6	响应时间 Response time	Max 50mS	最低工作电压 Lowest operation voltage
7	工作温度范围 Range of operation temperature	-20~+70℃	声压 ≥80dB
8	保存温度范围 Range of preservation temperature	-30~+85℃	
9	端子强度 Terminal strength	10N	拉负荷方向的终端轴 Pull load on the direction of the terminal axis
10	外部尺寸 Externals size	Φ12x6.5	参阅附图 Refer to the attached drawing
11	重量 Mass	2g	

☆标准状态：常温（15~35℃），湿度（25~85%相对湿度），空气压力（860~1060hpa）
在假设的情况判断，测试是一基本状态下进行。
Standard State:Ordinary Temp(15~35℃),Humidity(25~85%RH),Air pressure(860~1060hPa)
In case of doubtful judgment,the test is re—performed under Basic State.

☆基本情况：温度。（20±2℃），湿度（60~70%相对湿度），空气压力（860~1060hpa）
Basic State: Temp.(20±2℃),Humidity(60~70%RH),Air pressure(860~1060hPa)
〈标准驱动电路〉/〈Standard Drive Circuit〉 〈标准测试治具〉/〈Standard Test Fixture〉



项目/Item		试验条件/Test condition	判断标准/Criteria	引用规格
1	高温保存试验 High temperature Preservation	+85℃环境下放置24小时 Exposure to +85℃ for 24 hrs.	经过测试，符合规格，没有任何不合格的外观和性能 After the test the part shall meet specifications without any degradation.	
2	低温保存试验 Low temperature preservation	-20℃环境下放置24小时 Exposure to -20℃ for 24 hrs.		
3	高温试验 High temperature Shock			
4	低温试验 Low temperature Shock			
5	常温寿命试验 Ordinary Temp. Life	常温（25℃±10℃）电压3VDC连续测试48小时 Driving the sounder at 3VDC for 48hrs in the room temperature (25℃±10℃)		
6	高温寿命试验 High Temp. Life	高温（+85℃）电压3VDC连续测试2小时 Driving the sounder at 3VDC for 2hrs in the low temperature (+85℃)		
7	低温寿命试验 Low Temp. Life	低温（-20℃）电压3VDC连续测试2小时 Driving the sounder at 3VDC for 2hrs in the low temperature (-20℃)		
8	端子拉力试验 Lead strength	10N的拉力在端子上拉10±1秒 Pull load on the direction of the terminal axis for 10±1 sec.		
9	跌落试验 Free drop	70cm高自由掉落到厚40mm的木板上，每个方向一次 Free drop, 70cm height, on wood board (t40mm) X, Y, Z 3Direction 1time each, total 3times.	排除弯曲的针 Exclude bending of Pin	
10	端子可焊性试验 Solderability	260±5℃焊接温度。时间：5±0.5sec。 Temp. 260±5℃ Soaking Time: 5±0.5sec	端子95%必须覆盖着焊料 95% surface of lead pins must be covered with fresh solder and no soldering holes Should be found	

A diagram showing a step function $s(t)$. The function is 0 for $t < 1$ and jumps to 1 at $t = 1$. The horizontal axis is labeled t and the vertical axis is labeled s .



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