

样品承认书

Specifications

| | |
|---------------------------|--------------------|
| 客户名称 Customer Name | |
| 品 名 Variety | 电磁式有源蜂鸣器 |
| 型 号 Part No | SUN-12095-12VPA7.6 |
| 客户型号 The customer Part No | |
| 样品日期 Model Date | 2018-12-26 |

客户承认签署

| | | |
|----------------------|---------------------|----------------------|
| 签定结果: | | |
| 核准/ <i>Approved:</i> | 审核/ <i>Checked:</i> | 经办/ <i>Designed:</i> |
| | | |

海旭确认签署

| | | |
|----------------------|---------------------|----------------------|
| 核准/ <i>Approved:</i> | 审核/ <i>Checked:</i> | 经办/ <i>Designed:</i> |
| Liou Ni Ding | Huang Mei | Ding Jian Wu |

承认后请签回一份! *Thank you very much!*

昆山海旭科技电子有限公司

Kunshan Haixu Electronic Technology Co. Ltd

性能参数 Electrical Characteristics

型号 Part No: SUN-12095-12VPA7.6

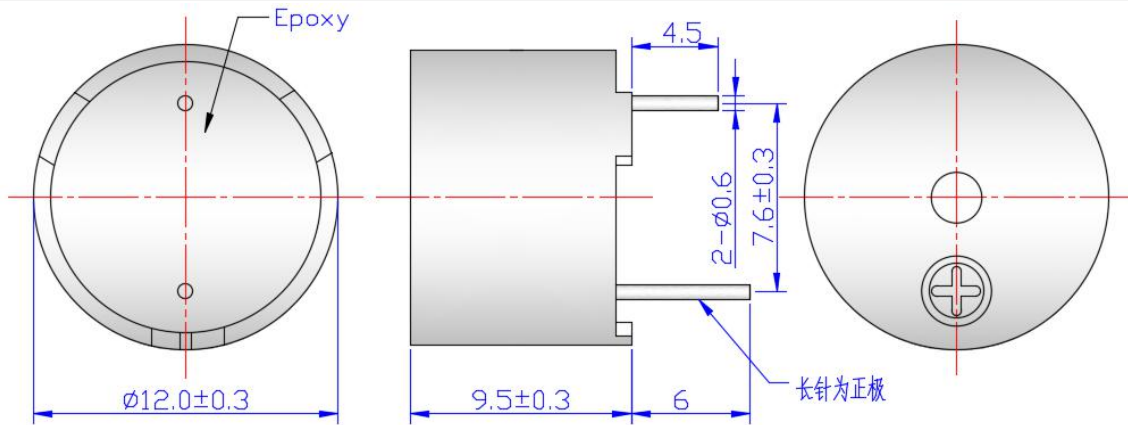
| | | |
|---|--|--------------|
| 1 | 额定电压 Rated Voltage (VDC) | 12 |
| 2 | 工作电压 Operating Voltage (VDC) | 8~15 |
| 3 | *在 10cm 处测试声压值 Sound Output at 10cm (dB) | ≥85 |
| 4 | *消耗电流 Current Consumption (mA) | ≤30 |
| 5 | 共振频率 Resonant Frequency (Hz) | 2700±200 |
| 6 | 工作温度 Operating Temperature (°C) | -20~+70 |
| 7 | 储存温度 Storage Temperature (°C) | -30~+80 |
| 8 | 单品重量 Weight (g) | 1.6 |
| 9 | 外壳材料 Housing Material | 黑色 Black PPO |

带*号指标需要在额定电压下测试 *Applying rated voltage

| 蜂鸣器焊接方法 Buzzer Soldering process | Soldering Parameter | | |
|-------------------------------------|---------------------|--|-------------|
| | 温度 Temp.(°C) | 时间 Time(Sec.) | 可焊接次数 Times |
| 回流焊 Reflow soldering | 245±15 | 180°C 预热 40~70 秒 245°C 3 秒 above 180°C time 40~70 | 3 |
| ★波峰焊 Wave soldering | 255±5 | 4~6 | 2~3 |
| 手工焊 Manual soldering | 350±10 | 2~5 | 2~3 |

带★号为海旭科技推荐的焊接方法 Remark:★ S&S Instance Soldering Process

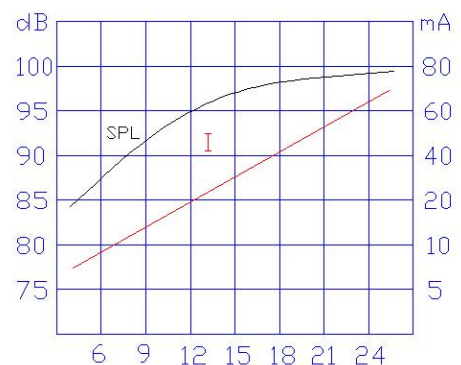
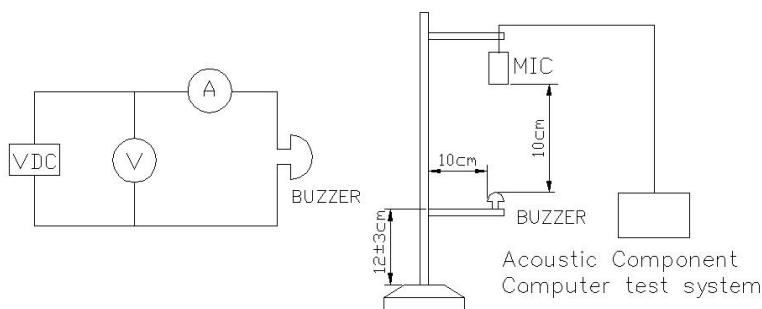
外形图 DIMENSIONS (UNIT: mm) 未标注公差按±0.5mm 计算 Tolerance: ±0.5mm Except Specified



备注：顶部贴封口纸。

测试方法 TEST METHOD

频响曲线 FREQUENCY RESPONSE



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型号 Part No: SUN-12095-12VPA7.6

可靠性测试 RELIABLY TEST

| 项目 ITEM | 测试条件 TESTING CONDITION | 试验后要求 VARIANCE AFTER TEST |
|--|---|---|
| 高温试验 High Temperature Test | <p>产品置于+80±2℃试验箱中，先工作 2 小时，然后在正常大气压条件下恢复 2 小时后，进行测量。</p> <p>After being worked in a chamber at +80 ± 2 °C for 2h and then being placed in natural condition for 2h,sounder shall be measured.</p> | <p>试验后，声响器的声级变化值在±10dB 之内，外观无变化（例如：开裂，氧化，损伤，变形等现象）</p> <p>After test,the transducer S.P.L.difference shall be within ±10dB,and the appearance not exist any change to be harmful to normal operation(e.g.crack s,rusts,damages and especially distortion)</p> |
| 低温试验 Low Temperature Test | <p>产品置于-30±2℃试验箱中，先工作 2 小时，再放置 16 小时，然后在正常大气压条件下恢复 2 小时后，进行测量。</p> <p>First being worked in a chamber at -30 ± 2 °C for 2h and then being planed in a chamber at -30 ± 2 °C for16h,finally being placed in natural condition for2h,sounder shall be measured.</p> | |
| 恒湿试验 Humidity Test | <p>产品置于湿度为 90~95%R.H,温度为 40±2℃试验箱中 48 小时，然后在正常大气压条件下恢复 2 小时后，进行测量。</p> <p>After being placed in a chamber with 90 to 95%R.H.at+40 ± 2 °C for 48h and then being placed in natural condition for 2h,sounder shall be measured.</p> | |
| 振动试验 Vibration Test | <p>振幅为 0.75mm，频率为 10~30~10Hz，三个不同轴方向各振动 1 小时，试验后测量。</p> <p>Sounder shall be measured after being applied vibration of amplitude of 0.75mm with 10 to30 to10Hz band of vibration frequency to each of 3 perpendicular directions for 1hour.</p> | |
| 自由落体试验 Freely Falling Test | <p>在 0.8 米高处，将产品三方向自由落体在木板上，试验后测量。</p> <p>Sounder shall be measured after freely falling the products from 0.8m high to the wooden board with three sides per time.</p> | |
| 碰撞试验 Collision Test | <p>加速度 100±10m/s²，脉冲持续时间 16ms，重复频率 1~3 次/min，次数 1000±10 次。试验后测量。</p> <p>Sounder shall be measured after the test of acceleration 100 ± 10m/s² ,impulse lasting time 16ms,repeat frequency 1~3/min and time 1000 ± 10.</p> | |
| 可焊性试验 Solderability | <p>引线剥头/针脚浸入松香焊剂 3 秒，然后再浸入+250±5℃的锡锅中 3±0.5 秒，引线剥头表面应覆盖一层光滑明亮的焊料。</p> <p>Lead terminals are immersed in rosin for 3 seconds and then immersed in solder bath at +250 ± 5 °C for 3 ± 0.5 seconds,terminals should be covered with the clean solder.</p> | |
| 引线/针脚强度试验 Terminal Strength Pulling | <p>引线/针脚应承受 0.5N 拉力，拉力时间 10 秒，引线无松动和脱落等现象。</p> <p>The force 10 seconds of 0.5N is applied to each terminal in axial direction.no looseness and falling off.</p> | |