

1. 适用范围 Scope


此份规格书定义了产品的电气及机械特性。

This specification defines the electrical and mechanical characteristics of the product.

2. 一般规格 General Specification

| 序号 No. | 项目 Item | 规格 Specification | 单位 Unit |
|--------|--|------------------|--------------------|
| 1 | 额定电压 Rated Voltage | 12 | VDC |
| 2 | 工作电压 Operating Voltage | 6.0~13.8 | VDC |
| 3 | 标签电压 Label Voltage | 12 | VDC |
| 4 | 输入电流 Input Current | 0.35(Max.0.40) | A |
| 5 | 标签电流 Label Current | 0.35 | A |
| 6 | 输入功率 Input Power | 4.20(Max.4.83) | W |
| 7 | 转速 Speed | 3000 ± 10% | RPM |
| 8 | 最大风量(零静压时)Max. Air Flow(At Zero Static Pressure) | 57.98(Min.52.18) | CFM |
| 9 | 最大风压 (零风量时) Max. Air Pressure(At Zero Air Flow) | 4.48(Min.3.63) | mmH ₂ O |
| 10 | 噪声 Acoustical Noise | 37(Max.40) | dB(A) |

3. 电气特性 Electrical characteristics

| | | |
|---|---|---|
| 1 | 绝缘阻抗 Insulation resistance | 框与导线正极端子之间加直流 500VDC，最小 10MΩ； Min 10M ohm between frame and positive terminal at 500VDC. |
| 2 | 绝缘耐压 Dielectric strength | 框与导线正极之间加交流 500VAC 1 分钟或 600VAC 1 秒钟，漏电流最大 5 mA； Max 5 mA between frame and positive terminal at 500VAC 1 min or 600VAC 1Sec. |
| 3 | 预期寿命 (故障率 10%) Life Expectancy (L ₁₀) | 在额定电压，室温 25℃，相对湿度 15%~65%RH 环境中工作时的平均寿命约 30000 小时； Average life is about 30000 hours while fan is operating at rated voltage in room temperature 25℃and relative Humidity 15%~65%RH environment. |
| 4 | 绝缘等级 Insulated Class | UL: Class A (105℃) |
| 5 | 安规 Safety Approvals | TP  |
| 6 | 导线 Lead Wire | UL1007 24AWG； 红色正极 Red Positive(+); 黑色负极 Black Negative(-) |

4. 机械特性 Mechanical Characteristics

| | | |
|---|--------------------------------|-------------------------------------|
| 1 | 尺寸 Dimension | 参见尺寸图 See Dimension Drawing |
| 2 | 外框 frame | 塑料、黑色 Thermoplastic ,Black ,UL94V-0 |
| 3 | 扇叶 Impeller | 塑料、黑色 Thermoplastic ,Black ,UL94V-0 |
| 4 | 轴承 Bearing | 含油轴承 Sleeve Bearing |
| 5 | 重量 Weight | Approx. 88g |
| 6 | 外壳防护 Ingress Protection Rating | NA |

5. 环境适应 Environmental

| | | |
|---|----------------------------|---|
| 1 | 运转温度 Operating Temperature | -10 ~ +70 °C |
| 2 | 储存温度 Storage Temperature | -40 ~ +75 °C |
| 3 | 运转湿度 Operating Humidity | 35% ~ 85%RH |
| 4 | 储存湿度 Storage Humidity | 35% ~ 85%RH |
| 5 | 环保要求 RoHS Compliance | 产品有害物质含量符合欧盟指令 2002/95/EC 要求。 Hazardous substances contents in our products is in compliance with RoHS 2002/95/EC requirement. |

1. 适用范围 Scope


此份规格书定义了产品的电气及机械特性。

This specification defines the electrical and mechanical characteristics of the product.

2. 一般规格 General Specification

| 序号 No. | 项目 Item | 规格 Specification | 单位 Unit |
|--------|--|------------------|--------------------|
| 1 | 额定电压 Rated Voltage | 12 | VDC |
| 2 | 工作电压 Operating Voltage | 6.0~13.8 | VDC |
| 3 | 标签电压 Label Voltage | 12 | VDC |
| 4 | 输入电流 Input Current | 0.35(Max.0.40) | A |
| 5 | 标签电流 Label Current | 0.35 | A |
| 6 | 输入功率 Input Power | 4.20(Max.4.83) | W |
| 7 | 转速 Speed | 3000 ± 10% | RPM |
| 8 | 最大风量(零静压时)Max. Air Flow(At Zero Static Pressure) | 57.98(Min.52.18) | CFM |
| 9 | 最大风压 (零风量时) Max. Air Pressure(At Zero Air Flow) | 4.48(Min.3.63) | mmH ₂ O |
| 10 | 噪声 Acoustical Noise | 37(Max.40) | dB(A) |

3. 电气特性 Electrical characteristics

| | | |
|---|---|---|
| 1 | 绝缘阻抗 Insulation resistance | 框与导线正极端子之间加直流 500VDC，最小 10MΩ； Min 10M ohm between frame and positive terminal at 500VDC. |
| 2 | 绝缘耐压 Dielectric strength | 框与导线正极之间加交流 500VAC 1 分钟或 600VAC 1 秒钟，漏电流最大 5 mA； Max 5 mA between frame and positive terminal at 500VAC 1 min or 600VAC 1Sec. |
| 3 | 预期寿命 (故障率 10%) Life Expectancy (L ₁₀) | 在额定电压，室温 25℃，相对湿度 15%~65%RH 环境中工作时的平均寿命约 30000 小时； Average life is about 30000 hours while fan is operating at rated voltage in room temperature 25℃and relative Humidity 15%~65%RH environment. |
| 4 | 绝缘等级 Insulated Class | UL: Class A (105℃) |
| 5 | 安规 Safety Approvals | TP  |
| 6 | 导线 Lead Wire | UL1007 24AWG； 红色正极 Red Positive(+); 黑色负极 Black Negative(-) |

4. 机械特性 Mechanical Characteristics

| | | |
|---|--------------------------------|-------------------------------------|
| 1 | 尺寸 Dimension | 参见尺寸图 See Dimension Drawing |
| 2 | 外框 frame | 塑料、黑色 Thermoplastic ,Black ,UL94V-0 |
| 3 | 扇叶 Impeller | 塑料、黑色 Thermoplastic ,Black ,UL94V-0 |
| 4 | 轴承 Bearing | 含油轴承 Sleeve Bearing |
| 5 | 重量 Weight | Approx. 88g |
| 6 | 外壳防护 Ingress Protection Rating | NA |

5. 环境适应 Environmental

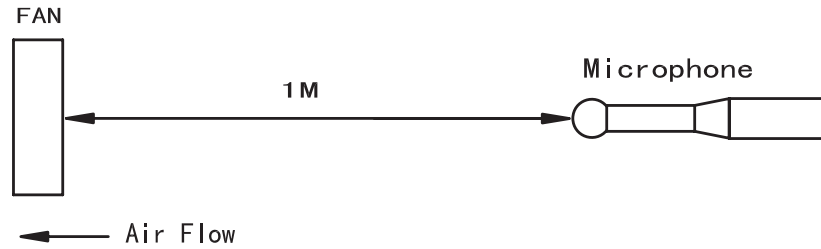
| | | |
|---|----------------------------|---|
| 1 | 运转温度 Operating Temperature | -10 ~ +70 °C |
| 2 | 储存温度 Storage Temperature | -40 ~ +75 °C |
| 3 | 运转湿度 Operating Humidity | 35% ~ 85%RH |
| 4 | 储存湿度 Storage Humidity | 35% ~ 85%RH |
| 5 | 环保要求 RoHS Compliance | 产品有害物质含量符合欧盟指令 2002/95/EC 要求。 Hazardous substances contents in our products is in compliance with RoHS 2002/95/EC requirement. |

6. 保护 Protection

| | | |
|---|-----------------------------------|--|
| 1 | 极性保护 Polarity Protection | 如果端子的正负极接反，产品能够承受 10 分钟不被损坏。 Be capable of withstanding 10 minutes will not cause damage if reverse connection for positive and negative leads. |
| 2 | 马达锁住保护 Locked Rotor Protection | 在额定电压范围和运转温度下，当转子被锁住后电路电流会被关闭或维持很小范围保护马达在 72 小时内不会损坏。 The current will shut down or remain a little range to protect motor from damage in 72 hours when locking rotor at rated voltage and operation temperature. |

7. 噪音 Acoustical Noise

风扇悬吊在无响室无风阻运转，在额定电压下麦克风距风扇进风口 1 米的距离测试值。 Fan is hanged in anechoic chamber, noise is measured at rated voltage in free air in anechoic chamber with microphone at a distance of one meter from the air intake .



8. 特性曲线 Performance Curve

在运转电压、室温、65%湿度条件下测试。 At operation voltage in room temperature and 65% humidity

