

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	0.17(Max.0.20)	A
5	标签电流 Label Current	0.17	A
6	输入功率 Input Power	2.04(Max.2.35)	W
7	转速 Speed	4500 ± 10%	RPM
8	最大风量(零静压时)Max. Air Flow(At Zero Static Pressure)	18.62(Min.16.72)	CFM
9	最大风压(零风量时) Max. Air Pressure(At Zero Air Flow)	3.88(Min.3.16)	mmH ₂ O
10	噪声 Acoustical Noise	35(Max.39)	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 40℃, 相对湿度 15%~65%RH 环境中工作时的平均寿命约 70000 小时; Average life is about 70000 hours while fan is operating at rated voltage in room temperature 40℃ and relative Humidity 15%~65%RH environment.
4	绝缘等级 Insulated Class	UL: Class A (105℃)
5	安规 Safety Approvals	ZP 
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	双滚珠轴承 Two Ball Bearing
5	重量 Weight	Approx. 34g
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.

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5. 环境适应 Environmental

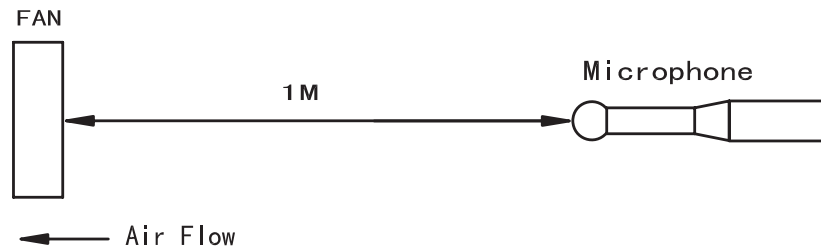
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6. 保护 Protection

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，阻抗保护马达的绕组保护马达转子被锁住后 72 小时内不会损坏。 Impedance of motor winding protects motor from damage in 72 hours of locking rotor condition 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

