

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	0.23 (Max.0.26)	A
5	标签电流 Label Current	0.23	A
6	输入功率 Input Power	2.76(Max.3.17)	W
7	转速 Speed	3000 ± 10%	RPM
8	最大风量(零静压时)Max. Air Flow(At Zero Static Pressure)	61.29(Min.55.16)	CFM
9	最大风压(零风量时) Max. Air Pressure(At Zero Air Flow)	3.67(Min.2.97)	mmH ₂ O
10	噪声 Acoustical Noise	36(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	NA
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. 85g
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

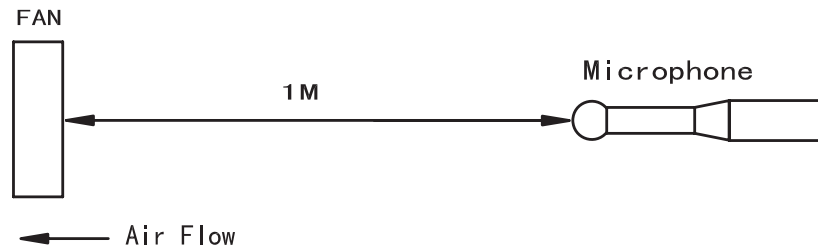
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6. 保护 Protection

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，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

