

深圳市金皇冠微电机有限公司

RS-775SH-6822-95-HAM

1. Standard Operating Conditions 标准使用条件

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| 1-1 | Rated voltage 额定电压 | 12V DC CONSTANT between motor terminals 电机端子间加 12V DC |
| 1-2 | Operating Voltage range 使用电压范围 | 6V-18V DC CONSTANT between motor terminals 6V-18V DC (电机端子间) |
| 1-3 | Rated Load 额定负载 | FAN89*30 风叶 89*30 |
| 1-4 | Direction of Rotation 旋转方向 | CW |
| 1-5 | Side Pressure 侧压 | Less than 100gf Min at a position 5mm above motor installation surface 出力轴端离安装表面 5mm 侧压小于 100gf Min |
| 1-6 | Opersting temperature Range: 使用温度范围 | 0° C~+50° C |
| 1-7 | Storage Temperature Range 储存温度范围 | -40° C~+85° C |
| 1-8 | Motor Position 电机姿势 | All direction of protruded shaft 出力轴所有方向 |
| 1-9 | Grounding Polarity 接地极性 | No polarity 无极性 |
| 1-10 | Type of Load 负荷种类 | Gear or belt 齿轮或传送带 |

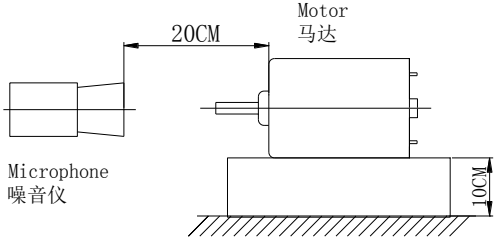
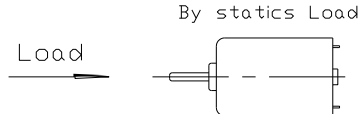
2. Measuring conditions 测试条件

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| 2-1 | Motor position 电机姿势 | Motor to be held with shaft horizontally 出力轴水平放置 |
| 2-2 | Power supply 电源 | Regulated power supply which assuage unquestionable measurement 可调节直流稳压电源,确保测量时无疑问 |
| 2-3 | Environmental Temperature and Hunmidity 湿度和温度 | The test is made in principle of a ten perature between 10° C to 30° C And at relative humidity between 30% and 95% if the test result is questionable it shaft be judged from the test made at JIS Standard Testing condition (20° C±2° C, 65%±%RH) 原则上温度为 10° C~30° C, 湿度为 30%~95%, 如果测试结果有疑问, 则按 JIS 标准 (20° C±2° C, 65%±5%RH) |

3. Electrclal Characteristics 电气性能

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| 3-1 | No Load Current 空载电流 | Rated Voltage No Load 额定电压、空载时 | 1.5 A max |
| 3-2 | No Load speed 空载转速 | Rated Voltage No Load 额定电压、空载时 | 10500±10%rpm |
| 3-3 | Rated Load Current 额定负载电流 | Rated Voltage Rated Load 额定电压、额定负载时 | 10A max |
| 3-4 | Rated Load speed 额定负载转速 | Rated Voltage Rated Load 额定电压、额定负载时 | 8400±10%rpm |
| 3-5 | Stall Current 堵转电流 | Reted Voltage 额定电压下 | 47.5A±20% |
| 3-6 | Starting Voltage 起动电压 | No Load 空载时 | 3V max |
| 3-7 | HI-POT TEST 高压测试 | 600V DC/1S/0.5mA between motor shaft and supply(±) 电机端子和轴间加 600V DC/1S/0.5mA | 600V DC /1S/ 0.5mA |
| | | | |

4. External & Functional Characteristics 结构及机械性能

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| 4-1 | External appearance 外观 | Outer dimensions to be within be tolerances specified in the attached Drawing remarkable deformation or superficial defects to be observed by visual check Fastened parts to be fixed firmly 外型尺寸符合附图外观无明显变形或表面损伤，紧固件应安装牢固 | |
| 4-2 | Shaft end play 轴向间隙 | End play for thrust direction of protruded shaft 向轴伸方向拉动出力轴 | 0.20mm MAX |
| 4-3 | Shaft T.I.R 轴径向跳动 | At 3.0mm away from the mounting surface 距机壳端面 3.0mm 处 | 0.01mm max |
| 4-4 | Perpendicularity of output shaft 出力轴垂直度 | | $90^{\circ} \pm 9'$ |
| 4-5 | Mecbanical Noise 机械噪音 | No load (approx 10500rpm) Measured with following condition Background noise : 40dB max. 空载转速（约 10500rpm）背景噪音小于 40dB. 测试方法如下：  | 68dB max |
| 4-6 | Maximum Axial Load 最大轴向力 | Direction of static Load and support of Load as shown below 轴间静推力和支撑位置的方向见下图  | 20Kg max |
| 4-7 | Vibration 振动 | To be set with mutual agreement 经用户确认同意 | Same or less than limitation sample |

5.Environmental Tests. 环境试验。

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| 5-1 | Storage Test Under high Temperaure 高温放置试验 | All of the specifications in Item 3 and 4 are to be satisfied after motors exposed to $+70^{\circ}\text{C} \pm 20^{\circ}\text{C}$ for 72 hours, and then to temperature /humidity of Item 2-3 for 24hours. 电机放于 $+70^{\circ}\text{C} \pm 20^{\circ}\text{C}$ 环境中 72 小时，再在常温、常湿下放置 24 小时，电机性能 3 和 4 的指标不变。 | |
| 5-2 | Storage Test under low Temperature 低温放置试验 | All of the specifications in Item 3 and 4 are to be satisfied after motors exposed to $-40^{\circ}\text{C} \pm 3^{\circ}\text{C}$ for 72 hours, and then to temperature/humidity of Item 2-3 for 24 hours. 电机放于 $-40^{\circ}\text{C} \pm 3^{\circ}\text{C}$ 环境中 72 小时，再在常温、常湿下放置 24 小时，电机性能 3 和 4 的指标不变。 | |
| 5-3 | Storage Test Under high Temperature/humidity 高温、高湿储存试验 | All of the specifications in Item 3 and 4 are to be satisfied after motors exposed to $+60^{\circ}\text{C} \pm 2^{\circ}\text{C} / 90\%-95\% \text{ RH}$ for 96 hours, and then to temperature / humidity of Item 2-3 for 24 hours. 电机放于 $+60^{\circ}\text{C} \pm 2^{\circ}\text{C}$ 相对湿度为 90%-95% 的环境中 96 小时，再在常温、常湿下放置 24 小时，电机性能 3 和 4 的指标不变。 | |

6.Life Test 寿命试验

At $25^{\circ}\text{C} \pm 5^{\circ}\text{C} / 65\% \pm 20\% \text{ RH}$. Rated coltage, Rated load.

The test shall be made by using the specified life test apparatus, on 20 min, off 20 min, Life: 800 H min.

在 $25^{\circ}\text{C} \pm 5^{\circ}\text{C} / 65\% \pm 20\% \text{ RH}$ ，额定电压，额定负载条件下按所定的寿命试验装置开 20 分钟，停 20 分钟，寿命：至少 800 小时。

Judgement of failure (measurement condition shall be as specified in cloused 2).

故障的判定：（测试条件包括 2 的项目）

| | Item 项目 | Judgement of failure 内容 |
|---|------------------------------|--|
| 1 | | Motor is unquestionable recognized as unusable. 电机出现异常被确认无疑时 |
| 2 | Rated Load Current 额定负载电流 | When the current gets varied over $\pm 35\%$ against the initial figure. 当电流超出初始值的 $\pm 35\%$ |
| 3 | Rated Load Speed 额定负载转速 | When the speed gets varied over $\pm 15\%$ against the initial figure. 当转速超出初始值的 $\pm 15\%$ |