



| 电机参数 Motor specifications            |                  | 05A   | 06A   | 01A   | 08A   |
|--------------------------------------|------------------|-------|-------|-------|-------|
| 1 额定电压 (Nominal voltage)             | V                | 3.7   | 6.0   | 7.4   | 12.0  |
| 2 空载转速 (No load speed)               | rpm              | 27000 | 15220 | 24500 | 30000 |
| 3 空载电流 (No load current)             | mA               | 80    | 35    | 45    | 30    |
| 4 额定转速 (Nominal speed)               | rpm              | 25380 | 12480 | 22907 | 28200 |
| 5 额定转矩 (Nominal torque)              | mNm              | 0.39  | 0.77  | 0.43  | 0.51  |
| 6 额定电流 (Nominal current)             | A                | 0.37  | 0.23  | 0.19  | 0.16  |
| 7 堵转转矩 (Stall torque)                | mNm              | 6.3   | 4.3   | 4.1   | 8.6   |
| 8 堵转电流 (Stall current)               | A                | 4.93  | 1.14  | 2.2   | 2.24  |
| 9 相间电阻 (Terminal resistance)         | Ω                | 0.75  | 5.27  | 3.25  | 5.35  |
| 10 转矩常数 (Torque constant)            | mNm/A            | 1.28  | 3.68  | 2.82  | 3.4   |
| 11 速度常数 (Speed constant)             | rpm/V            | 7297  | 2538  | 3310  | 2500  |
| 12 机械时间常数 (Mechanical time constant) | ms               | 5.0   | 5.8   | 5.6   | 6.3   |
| 13 转子惯量 (Rotor inertia)              | gcm <sup>2</sup> | 0.167 | 0.163 | 0.161 | 0.166 |

## 可配减速箱 Optional gearbox

## 可配编码器 Optional encoder

## 其他参数 Other specifications

|                                       |             |                        |                               |
|---------------------------------------|-------------|------------------------|-------------------------------|
| 工作温度范围 (Operating temperature range)  | -20...+80°C | 轴承类型 (Bearing type)    | 含油轴承 (Sleeve bearings)        |
| 极对数 (Number of pole pairs)            | 1           | 电刷类型 (Brush type)      | 贵金属刷 (Precious metal brushes) |
| 换向器片数 (Number of commutator segments) | 5           | 电机重量 (Weight of motor) | 6.75g                         |