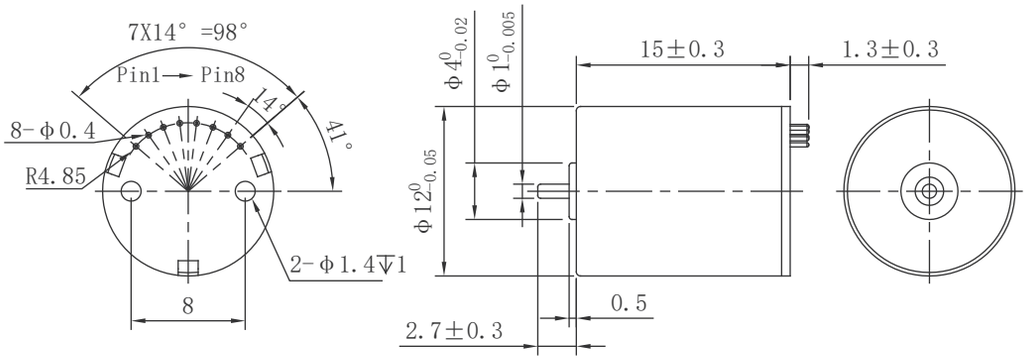

| 电机参数 Motor specifications | | 01A | 03A | 10A | 02A |
|---|---|---|---|---|---|
| 1 额定电压 (Nominal voltage) | V | 7.4 | 7.4 | 7.4 | 12 |
| 2 空载转速 (No load speed) | rpm | 36000 | 30000 | 43000 | 31500 |
| 3 空载电流 (No load current) | mA | 140 | 90 | 200 | 100 |
| 4 额定转速 (Nominal speed) | rpm | 31000 | 26000 | 37400 | 27000 |
| 5 额定转矩 (Nominal torque) | mNm | 0.99 | 0.7 | 1.11 | 0.81 |
| 6 额定电流 (Nominal current) | A | 0.63 | 0.37 | 0.85 | 0.31 |
| 7 堵转转矩 (Stall torque) | mNm | 7.6 | 5.4 | 8.6 | 6.2 |
| 8 堵转电流 (Stall current) | A | 3.87 | 2.28 | 5.21 | 1.71 |
| 9 相间电阻 (Terminal resistance) | Ω | 1.91 | 3.25 | 1.42 | 7.02 |
| 10 转矩常数 (Torque constant) | mNm/A | 1.92 | 2.3 | 2.03 | 3.56 |
| 11 速度常数 (Speed constant) | rpm/V | 4864 | 4054 | 5810 | 2625 |
| 12 机械时间常数 (Mechanical time constant) | ms | 4.04 | 4.78 | 4.29 | 4.33 |
| 13 转子惯量 (Rotor inertia) | $gcm^2$ | 0.09 | 0.09 | 0.09 | 0.09 |

## 可配减速箱 Optional gearbox

## 可配编码器 Optional encoder

## 端子数据 Terminal data

端子型号Terminal model：8Pin 排针

| | | | |
|---|---|---|---|
| Pin 1 霍尔传感器Hall sensor 1 | Pin 2 电机绕组Motor winding 2 | Pin 3 霍尔传感器Hall GND | Pin 4 霍尔传感器Hall sensor 3 |
| Pin 5 电机绕组Motor winding 3 | Pin 6 霍尔传感器Hall Vcc 3.3~5V | Pin 7 霍尔传感器Hall sensor 2 | Pin 8 电机绕组Motor winding 1 |

## 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 | 电机重量 (Weight of motor) | 7.8g |
| 相数 (Number of phases) | 3 | | |