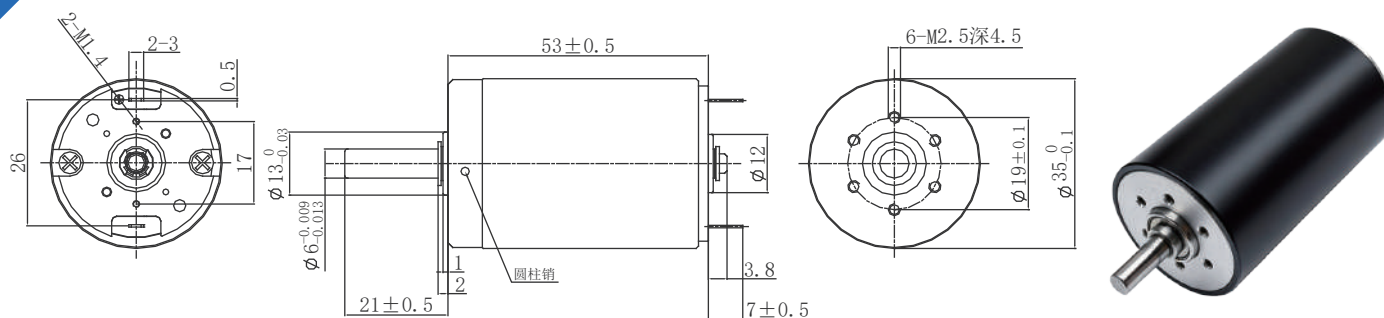




## 电机参数 Motor specifications

07A

11A

03A

12A

|                                      |                  |       |       |       |       |
|--------------------------------------|------------------|-------|-------|-------|-------|
| 1 额定电压 (Nominal voltage)             | V                | 6.0   | 12.0  | 24.0  | 48.0  |
| 2 空载转速 (No load speed)               | rpm              | 5200  | 8900  | 7800  | 4600  |
| 3 空载电流 (No load current)             | mA               | 210   | 180   | 130   | 30    |
| 4 额定转速 (Nominal speed)               | rpm              | 3900  | 6675  | 5850  | 3450  |
| 5 额定转矩 (Nominal torque)              | mNm              | 66.12 | 101.6 | 89    | 56.94 |
| 6 额定电流 (Nominal current)             | A                | 6.16  | 8.03  | 3.13  | 0.6   |
| 7 堵转转矩 (Stall torque)                | mNm              | 264   | 406   | 356   | 227   |
| 8 堵转电流 (Stall current)               | A                | 24    | 31.58 | 12.12 | 2.29  |
| 9 相间电阻 (Terminal resistance)         | Ω                | 0.25  | 0.38  | 1.98  | 21    |
| 10 转矩常数 (Torque constant)            | mNm/A            | 10.8  | 12.6  | 28.8  | 97.7  |
| 11 速度常数 (Speed constant)             | rpm/V            | 866   | 741   | 325   | 96    |
| 12 机械时间常数 (Mechanical time constant) | ms               | 11.4  | 12.6  | 12.8  | 12    |
| 13 转子惯量 (Rotor inertia)              | gcm <sup>2</sup> | 58.1  | 57.5  | 58.6  | 59.3  |

## 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)    | 滚珠轴承 (Ball bearings)  |
| 极对数 (Number of pole pairs)            | 1           | 电刷类型 (Brush type)      | 碳刷 (Graphite brushes) |
| 换向器片数 (Number of commutator segments) | 13          | 电机重量 (Weight of motor) | 227.58g               |