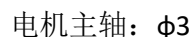


# Coreless BLDC Motors



| 电机参数 (Motor data)                   |       | 03A   | 02A   | 01A    | 09A    |  |  |
|-------------------------------------|-------|-------|-------|--------|--------|--|--|
| 额定电压下数值 (Values at nominal voltage) |       |       |       |        |        |  |  |
| 1 额定电压 (Nominal voltage)            | V     | 12    | 24    | 24     | 30     |  |  |
| 2 空载转速 (No load speed)              | rpm   | 9770  | 8360  | 13320  | 13210  |  |  |
| 3 空载电流 (No load current)            | mA    | 100   | 80    | 110    | 110    |  |  |
| 4 额定转速 (Nominal speed)              | rpm   | 8730  | 7120  | 11970  | 11270  |  |  |
| 5 额定转矩 (最大连续转矩) (Nominal torque)    | mNm   | 10.3  | 14.1  | 15.2   | 20     |  |  |
| 6 额定电流 (最大连续电流) (Nominal current)   | A     | 1     | 0.6   | 1      | 1.03   |  |  |
| 7 堵转转矩 (Stall torque)               | mNm   | 96.57 | 94.99 | 150.49 | 135.74 |  |  |
| 8 堵转电流 (Stall current)              | A     | 6.37  | 3.55  | 8.9    | 6.37   |  |  |
| 9 最大效率 (Max efficiency)             | %     | 79    | 73    | 79     | 79     |  |  |
| 电机常数 (Motor constant)               |       |       |       |        |        |  |  |
| 10 相间电阻 (Terminal resistance)       | Ω     | 1.44  | 6.77  | 2.72   | 4.71   |  |  |
| 11 转矩常数 (Torque constant)           | mNm/A | 11.50 | 26.87 | 16.86  | 21.25  |  |  |
| 12 速度常数 (Speed constant)            | rpm/V | 814   | 348   | 555    | 440    |  |  |

## 01A电机曲线图 motor curve

|      |     |           |
|------|-----|-----------|
| PIN4 | NTC | 黑色(black) |
| PIN5 | GND | 黑色(black) |
| PIN6 | VCC | 黑色(black) |
| PIN7 | HC  | 黑色(black) |
| PIN8 | HB  | 黑色(black) |
| PIN9 | HA  | 黑色(black) |