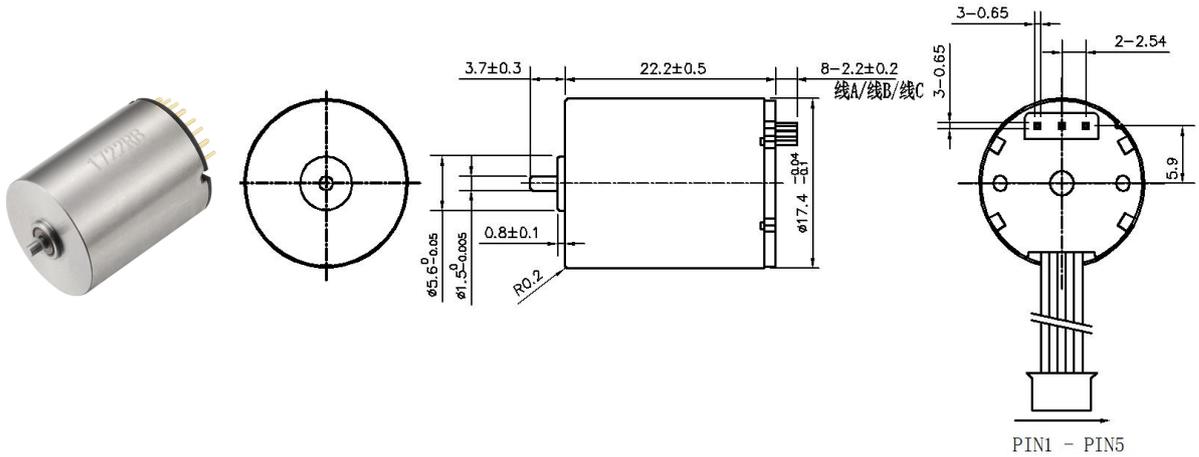


1722RB Coreless BLDC Motor



典型应用 Typical Applications: 舵机、智能小机器人

| 电机参数 (Motor data) | | 27A | 07A | 09A | 06A | | |
|-------------------------------------|-------|-------|-------|-------|-------|--|--|
| 额定电压下数值 (Values at nominal voltage) | | | | | | | |
| 1 额定电压 (Nominal voltage) | V | 5 | 7.4 | 12 | 24 | | |
| 2 空载转速 (No load speed) | rpm | 25240 | 25100 | 24230 | 22000 | | |
| 3 空载电流 (No load current) | mA | 130 | 200 | 130 | 130 | | |
| 4 额定转速 (Nominal speed) | rpm | 24200 | 22630 | 21580 | 19690 | | |
| 5 额定转矩(最大连续转矩) (Nominal torque) | mNm | 1.1 | 2 | 3 | 3 | | |
| 6 额定电流(最大连续电流) (Nominal current) | A | 0.88 | 0.92 | 0.8 | 0.42 | | |
| 7 堵转转矩 (Stall torque) | mNm | 26.40 | 20.3 | 27.3 | 28.6 | | |
| 8 堵转电流 (Stall current) | A | 14.30 | 7.4 | 5.9 | 2.85 | | |
| 9 最大效率 (Max efficiency) | % | 75 | 73 | 73 | 67 | | |
| 电机常数 (Motor constant) | | | | | | | |
| 10 相间电阻 (Terminal resistance) | Ω | 0.35 | 1 | 2.03 | 8.4 | | |
| 11 转矩常数 (Torque constant) | mNm/A | 1.85 | 2.76 | 4.64 | 10.21 | | |
| 12 速度常数 (Speed constant) | rpm/V | 5048 | 3392 | 2019 | 917 | | |

其他特性参数 Other characteristic parameters

- 13 环境温度范围 (Ambient temperature) -10~40℃
- 14 绕组最高允许温度 (Max permissible winding temperature) 120℃
- 15 最高允许转速 (Max permissible speed) 30000rpm
- 16 电极磁极对数 (Number of the pole pairs) 1
- 17 相数 (Number of Phases) 3
- 18 电机质量 (Weight) 26.3g

端子定义 (terminals):

引线规格 (cable type): 2651/28#

- PIN1 VCC
- PIN2 GND
- PIN3 Hall A
- PIN4 Hall B
- PIN5 Hall C

09A电机曲线图 motor curve

