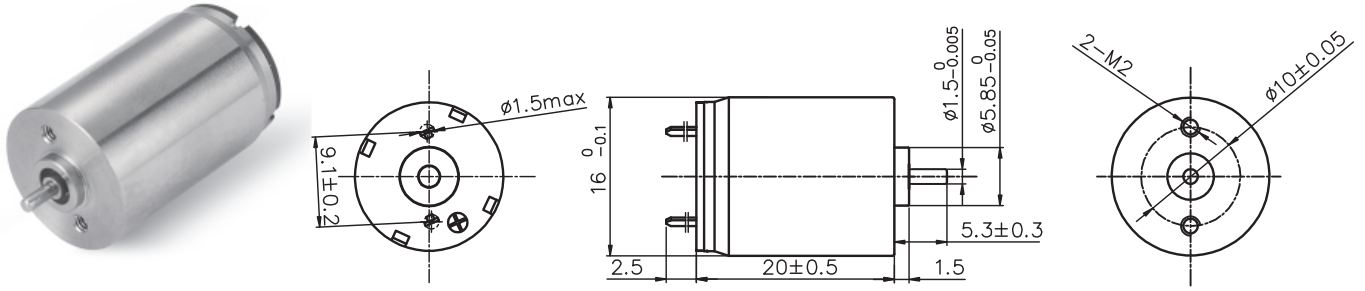


1620R 空心杯有刷电机



典型应用 Typical Applications: 舵机、智能小机器人

| 电机参数 (Motor data) | | 19A | 31A | 11A | 34A | 06A | 01A |
|-------------------------------------|---------|------|------|-------|-------|-------|-------|
| 额定电压下数值 (Values at nominal voltage) | | | | | | | |
| 1 额定电压 (Nominal voltage) | v | 3 | 4 | 4.5 | 8 | 12 | 24 |
| 2 空载转速 (No load speed) | rpm | 4680 | 7430 | 10800 | 10000 | 12500 | 12200 |
| 3 空载电流 (No load current) | mA | 10 | 20 | 35 | 15 | 23 | 10 |
| 4 额定转速 (Nominal speed) | rpm | 3720 | 6612 | 9774 | 9150 | 10750 | 10065 |
| 5 额定转矩 (最大连续转矩) (Nominal torque) | mNm | 0.50 | 0.50 | 0.50 | 0.50 | 1.00 | 1.50 |
| 6 额定电流 (最大连续电流) (Nominal current) | A | 0.09 | 0.11 | 0.15 | 0.08 | 0.13 | 0.08 |
| 7 堵转转矩 (Stall torque) | mNm | 2.40 | 4.50 | 5.30 | 6.00 | 7.09 | 8.50 |
| 8 堵转电流 (Stall current) | A | 0.40 | 0.89 | 1.36 | 0.80 | 0.79 | 0.46 |
| 9 最大效率 (Max efficiency) | % | 74 | 75 | 75 | 74 | 72 | 75 |
| 电机常数 (Motor constant) | | | | | | | |
| 10 相间电阻 (Terminal resistance) | Ω | 7.50 | 4.50 | 3.30 | 10 | 15.2 | 52 |
| 11 转矩常数 (Torque constant) | mNm/A | 6.00 | 5.04 | 3.90 | 7.49 | 8.99 | 18.42 |
| 12 速度常数 (Speed constant) | rpm / V | 1560 | 1857 | 2400 | 1250 | 1042 | 508 |

其它特性参数 Other characteristic parameters 19A电机曲线图

- 13 环境温度范围 (Ambient temperature) -10 - 40°C
- 14 绕组最高允许温度 (Max permissible winding temperature) 80°C
- 15 最高允许转速 (Max permissible speed) 20000rpm
- 16 电极磁极对数 (Number of the pole pairs) 1
- 17 换向器片数 (Number of the commutator segments) 5
- 18 电机质量 (Weight) 24.35g

