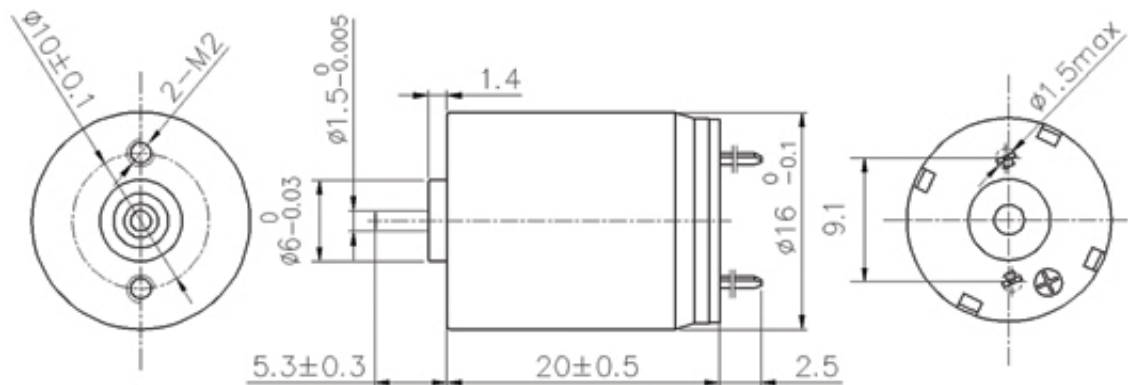




### 1620R



典型应用 Typical Applications: 舵机、智能小机器人

| 电机参数 (Motor data)                   |          | 19A   | 21A   | 06A   |  |  |
|-------------------------------------|----------|-------|-------|-------|--|--|
| 额定电压下数值 (Values at nominal voltage) |          |       |       |       |  |  |
| 1 额定电压 (Nominal voltage)            | V        | 3     | 12    | 12    |  |  |
| 2 空载转速 (No load speed)              | rpm      | 4650  | 7120  | 12000 |  |  |
| 3 空载电流 (No load current)            | mA       | 10    | 10    | 20    |  |  |
| 4 额定转速 (Nominal speed)              | rpm      | 4231  | 4750  | 8820  |  |  |
| 5 额定转矩 (最大连续转矩) (Nominal torque)    | mNm      | 2     | 2     | 2     |  |  |
| 6 额定电流 (最大连续电流) (Nominal current)   | A        | 0.043 | 0.13  | 0.228 |  |  |
| 7 堵转转矩 (Stall torque)               | mNm      | 2.20  | 6     | 7.5   |  |  |
| 8 堵转电流 (Stall current)              | A        | 0.38  | 0.38  | 0.8   |  |  |
| 9 最大效率 (Max efficiency)             | %        | 74    | 72    | 74    |  |  |
| 电机常数 (Motor constant)               |          |       |       |       |  |  |
| 10 相间电阻 (Terminal resistance)       | $\Omega$ | 8.0   | 31.2  | 14.93 |  |  |
| 11 转矩常数 (Torque constant)           | mNm/A    | 6.04  | 15.77 | 9.36  |  |  |
| 12 速度常数 (Speed constant)            | rpm/V    | 1550  | 593   | 1000  |  |  |

#### 其他特性参数 Other characteristic parameters

- 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) 18g

#### 19A电机曲线图 motor curve

