

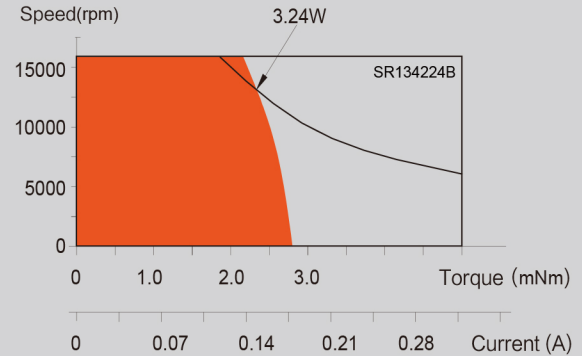
电机参数 Motor Data

| 电机型号 | Motor model | | | SR134203B | SR134206B | SR134209B | SR134212B | SR134224B |
|-----------|-----------------------|------------------|---------|-----------|-----------|-----------|-----------|-----------|
| 1 额定电压 | Nominal voltage | V | V | 3 | 6 | 9 | 12 | 24 |
| 2 空载转速 | No load speed | rpm | Wnl | 11600 | 13300 | 12500 | 12500 | 15500 |
| 3 空载电流 | No load current | mA | InI | 100 | 42 | 22 | 18 | 12 |
| 4 额定转速 | Nominal speed | rpm | Wc | 10400 | 10400 | 10100 | 10300 | 12900 |
| 5 额定转矩 | Nominal torque | mNm | Tc | 2 | 2.3 | 2.5 | 2.4 | 2.4 |
| 6 额定电流 | Nominal current | A | Ic | 0.84 | 0.53 | 0.37 | 0.27 | 0.16 |
| 7 输出功率 | Output power | W | Pc | 2.2 | 2.5 | 2.6 | 2.6 | 3.24 |
| 8 堵转扭矩 | Stall torque | mNm | Tmax | 15.6 | 11.7 | 12.7 | 13.3 | 13.42 |
| 9 堵转电流 | Stall current | A | Imax | 6.52 | 2.73 | 1.88 | 1.46 | 0.92 |
| 10 最大效率 | Max. efficiency | % | ηmax | 87 | 78.2 | 78.1 | 78.3 | 82 |
| 11 线间电阻 | Terminal resistance | Ω | Rt | 0.46 | 2.2 | 4.8 | 8.2 | 26.1 |
| 12 力矩系数 | Torque constant | mNm / A | Kt | 2.4 | 4.31 | 6.79 | 9.05 | 14.59 |
| 13 速度常数 | Speed constant | rpm / V | Kn | 3995 | 2298 | 1405 | 1054 | 654 |
| 14 速度扭矩比 | Speed torque gradient | rpm / mNm | Δn / ΔT | 677 | 1261 | 933 | 890 | 1085 |
| 15 线间电感 | Terminal inductance | mH | L | 0.012 | 1.2 | 0.58 | 1.09 | 1.1 |
| 16 转子转动惯量 | Rotor inertia | gcm ² | J | 0.7 | 0.6 | 0.56 | 0.57 | 0.58 |

特性参数 Specifications

| | | |
|---|----------|--------------|
| 1 环境温度 ambient temperature | Ta | -20~+65 °C |
| 2 最大允许线圈温度 max. winding temperature | Tcoilmax | +125 °C |
| 3 最大允许速度 max. speed | Nmax | 17050 rpm |
| 4 轴向窜动 axial play | Δt | 0.05-0.15 mm |
| 5 极对数 number of pole pairs | 2p | 1 |
| 6 换向器片数 number of commutator segments | | 5 |
| 7 马达重量 weight of motor | Wt | 27 g |
| 8 最大轴向载荷 (动态) Max. axial load (dynamic) | | 0.8N |
| 9 最大允许安装力 (静态) Max. force for press fits (static) | | 15N |
| 10 最大径向载荷 (离法兰4mm处) Max. radial load, 4 mm from flange | | 1.4N |

电机运行范围 Operating Range



接线定义 Terminal definitions

