

1630N5C | 碳刷 Graphite Brush

应用领域：医疗、保健、汽车、机器人、工业自动化等精密驱动领域。

Applications: precision drives in medical equipment and devices, healthcare products, automotive, robotics, and industrial automation.

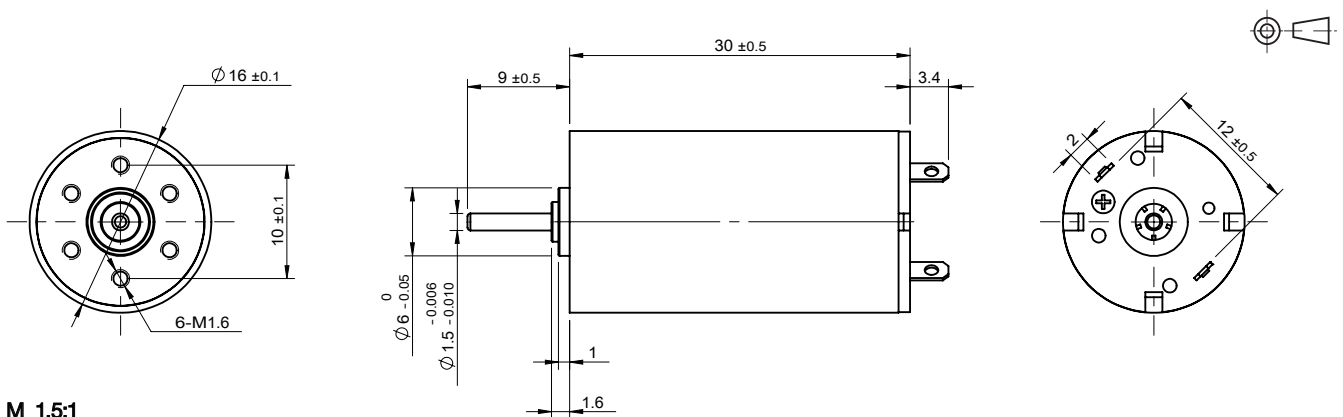
主要技术指标 | Characteristics

| | | | 06-195-6.0 | 05-115-12.0 | 08-93-24.0 | |
|----|-----------------|--|------------------|-------------|---------------------------|------|
| 1 | 电压 | Voltage | V | 6.0 | 12.0 | 24.0 |
| 2 | 转子电阻 | Rotor Resistance | Ω | 0.7 | 4.5 | 34.5 |
| 3 | 空载转速 | No-load speed | rpm | 19500 | 11500 | 9300 |
| 4 | 空载电流 | No-load current | mA | 150 | 50 | 30 |
| 5 | 堵转转矩 | Stall torque | mNm | 24.3 | 25.6 | 15.8 |
| 6 | 堵转电流 | Stall current | mA | 8570 | 2670 | 700 |
| 7 | 额定转矩 | Nominal torque | mNm | 5.0 | 5.0 | 4.0 |
| 8 | 额定转速 | Nominal speed | rpm | 15490 | 9260 | 6950 |
| 9 | 额定电流 | Nominal current | mA | 1880 | 560 | 200 |
| 10 | 最大输出功率 | Max. output power | W | 12.4 | 7.7 | 3.9 |
| 11 | 最大效率 | Max. efficiency | % | 75 | 75 | 63 |
| 12 | 反电势常数 | Back-EMF constant | mV/rpm | 0.3 | 1.0 | 2.5 |
| 13 | 转矩常数 | Torque constant | mNm/A | 2.9 | 9.8 | 23.6 |
| 14 | 转速 / 转矩斜率 | Speed/torque gradient | rpm/mNm | 800 | 450 | 590 |
| 15 | 转子惯量 | Rotor inertia | gcm ² | 0.95 | 0.95 | 0.95 |
| 16 | 重量 | Weight | g | 22.5 | 22.5 | 22.5 |
| 17 | 热阻 (机壳 - 环境) | Thermal resistance housing-ambient | K/W | | 26.8 | |
| 18 | 热阻 (线圈 - 机壳) | Thermal resistance winding-housing | K/W | | 30.6 | |
| 19 | 热时常数 (电机) | Thermal time constant motor | s | | 242 | |
| 20 | 热时常数 (线圈) | Thermal time constant winding | s | | 232 | |
| 21 | 工作温度范围 | Operating temperature range | °C | | -20~+85 | |
| 22 | 绕组耐温等级 | Thermal class of winding | °C | | 130 | |
| 23 | 轴向间隙 | Axial play | mm | | 0.02~0.15 | |
| 24 | 径向间隙 | Radial play | mm | | 0.012 | |
| 25 | 动态轴向载荷 | Axial load dynamic | N | | 0.8 | |
| 26 | 静态轴向载荷 | Axial load static | N | | 30 | |
| 27 | 径向载荷 (距安装面 3mm) | Radial load at 3 mm from mounting face | N | | 1.5 | |
| 28 | 极对数 | No. of pole pairs | | | 1 | |
| 29 | 轴承 | Bearings | | | 2 枚含油轴承/2 sleeve bearings | |
| 30 | 换向结构 | Commutator | | | 贵金属 5 相/metal 5 segments | |
| 31 | 防护等级 | Protection class | | | IP 30 | |

★可选参数 Options: 导线长度 Lead wires length 轴长 Shaft length 性能 Special coils

轴承类型 Bearing type 齿轮箱 Gearheads

外观图 | Outline Drawing



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