

2554N9C2B | 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.

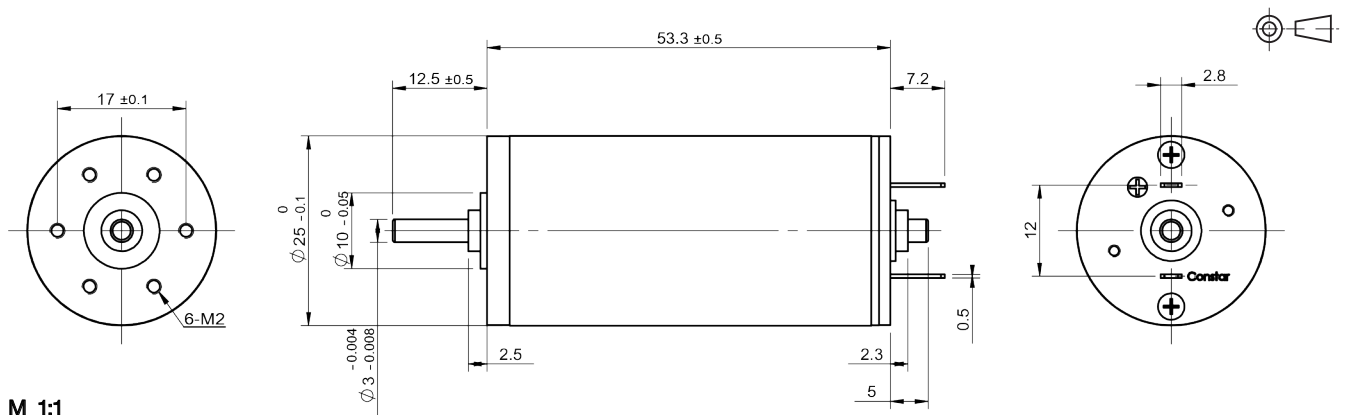
主要技术指标 | Characteristics

| | | | 03-51-12.0 | 04-82-24.0 | 02-93-24.0 | |
|----|-----------------|--|------------------|------------|--------------------------|-------|
| 1 | 电压 | Voltage | V | 12.0 | 24.0 | 24.0 |
| 2 | 转子电阻 | Rotor Resistance | Ω | 1.92 | 3.1 | 2.5 |
| 3 | 空载转速 | No-load speed | rpm | 5100 | 8200 | 9300 |
| 4 | 空载电流 | No-load current | mA | 20 | 35 | 65 |
| 5 | 堵转转矩 | Stall torque | mNm | 139.5 | 214.4 | 233.4 |
| 6 | 堵转电流 | Stall current | mA | 6250 | 7740 | 9600 |
| 7 | 额定转矩 | Nominal torque | mNm | 42.0 | 32.4 | 28.0 |
| 8 | 额定转速 | Nominal speed | rpm | 3560 | 6960 | 8180 |
| 9 | 额定电流 | Nominal current | mA | 1900 | 1200 | 1210 |
| 10 | 最大输出功率 | Max. output power | W | 18.6 | 46.1 | 56.9 |
| 11 | 最大效率 | Max. efficiency | % | 89 | 87 | 84 |
| 12 | 反电势常数 | Back-EMF constant | mV/rpm | 2.3 | 2.9 | 2.6 |
| 13 | 转矩常数 | Torque constant | mNm/A | 22.4 | 27.8 | 24.5 |
| 14 | 转速 / 转矩斜率 | Speed/torque gradient | rpm/mNm | 36.6 | 38.3 | 39.8 |
| 15 | 转子惯量 | Rotor inertia | gcm ² | 14.2 | 14.2 | 14.2 |
| 16 | 重量 | Weight | g | 120 | 120 | 120 |
| 17 | 热阻 (机壳 - 环境) | Thermal resistance housing-ambient | K/W | | 10.8 | |
| 18 | 热阻 (线圈 - 机壳) | Thermal resistance winding-housing | K/W | | 4 | |
| 19 | 热时常数 (电机) | Thermal time constant motor | s | | 284 | |
| 20 | 热时常数 (线圈) | Thermal time constant winding | s | | 157 | |
| 21 | 工作温度范围 | Operating temperature range | °C | | -20~+120 | |
| 22 | 绕组耐温等级 | Thermal class of winding | °C | | 120 | |
| 23 | 轴向间隙 | Axial play | mm | | 0.02~0.15 | |
| 24 | 径向间隙 | Radial play | mm | | 0.025 | |
| 25 | 动态轴向载荷 | Axial load dynamic | N | | 20 | |
| 26 | 静态轴向载荷 | Axial load static | N | | 60 | |
| 27 | 径向载荷 (距安装面 3mm) | Radial load at 3 mm from mounting face | N | | 40 | |
| 28 | 极对数 | No. of pole pairs | | | 1 | |
| 29 | 轴承 | Bearings | | | 2 枚滚动轴承/2 ball bearings | |
| 30 | 换向结构 | Commutator | | | 贵金属 9 相/metal 9 segments | |
| 31 | 防护等级 | Protection class | | | IP 20 | |

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

齿轮箱 Gearheads 编码器 Encoder

外观图 | Outline Drawing



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