

## C1220F | 贵金属电刷 Precious Metal Commutation

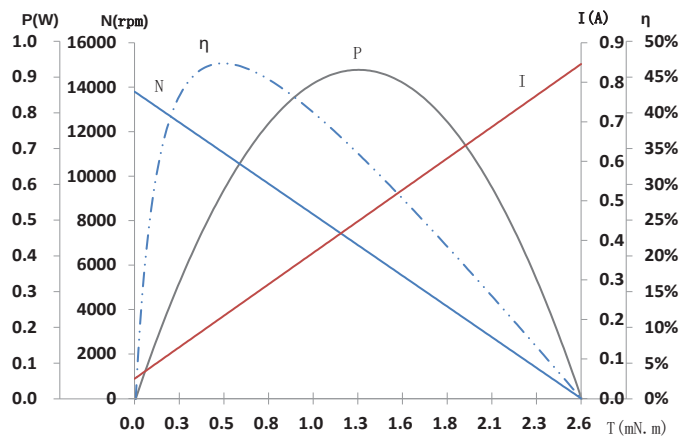
应用领域：安防、小型电子产品、飞机类遥控玩具、个人护理产品、便携工具等领域。

Applications: security equipment, small electronic products, remote control model aircraft, personal care products, portable electric tools, etc.

### 主要技术指标 | Characteristics

|              |                             |                    | 35-0083 | 35-0103 | 35-0158 |
|--------------|-----------------------------|--------------------|---------|---------|---------|
| 1 电压         | Voltage                     | V                  | 6.0     | 5.0     | 4.5     |
| 2 端电阻        | Terminal resistance         | $\Omega$           | 7.4     | 2.5     | 10      |
| 3 空载转速       | No-load speed               | rpm                | 13800   | 18500   | 9500    |
| 4 空载电流       | No-load current             | mA                 | 50      | 70      | 45      |
| 5 堵转转矩       | Stall torque                | mNm                | 2.60    | 3.60    | 1.70    |
| 6 堵转电流       | Stall current               | mA                 | 846     | 2043    | 693     |
| 7 负载转矩       | Load torque                 | mNm                | 0.294   | 0.294   | 0.196   |
| 8 负载转速       | Load speed                  | rpm                | 12240   | 17000   | 8400    |
| 9 负载电流       | Load current                | mA                 | 140     | 230     | 120     |
| 10 最大输出功率    | Max. output power           | W                  | 0.94    | 1.75    | 0.42    |
| 11 最大效率      | Max. efficiency             | %                  | 48.0    | 48.7    | 34.5    |
| 12 反电势常数     | Back-EMF constant           | mV/rpm             | 0.41    | 0.26    | 0.43    |
| 13 转矩常数      | Torque constant             | mNm/A              | 3.27    | 1.82    | 2.62    |
| 14 转速 / 转矩斜率 | Speed/torque gradient       | rpm/mNm            | 5306    | 5139    | 5588    |
| 15 压敏电阻      | Varistor                    | Yes/No             | Yes     | Yes     | Yes     |
| 16 重量        | Weight                      | g                  | 7.9     | 7.8     | 7.8     |
| 17 工作温度范围    | Operating temperature range | $^{\circ}\text{C}$ | -20~+80 | -20~+80 | -20~+80 |

### 特性曲线 | Characteristics Curve

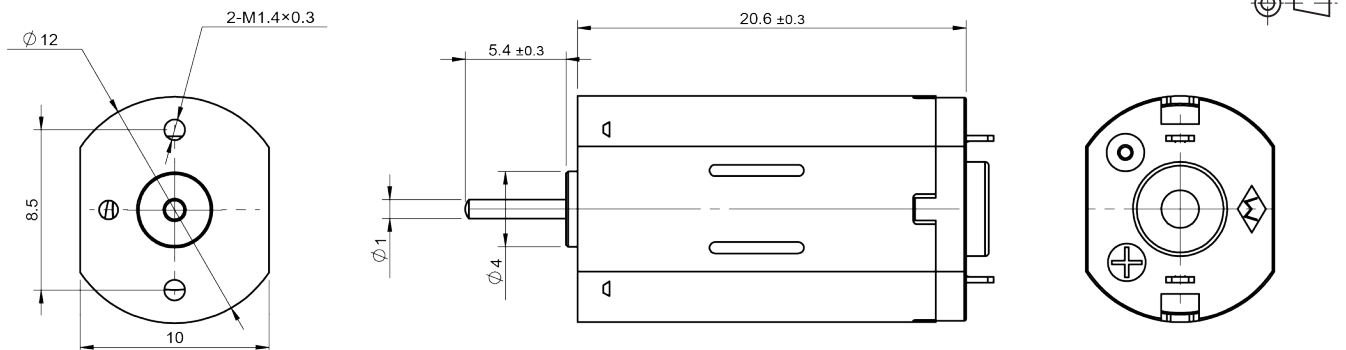


型号 / Model C1220F35-0083

### 可选参数 | Options

导线长度 Lead wires length  
轴长 Shaft length  
性能 Special coils  
齿轮箱 Gearheads

### 外观图 | Outline Drawing



M 2.5:1

规格如有变更，恕不另行通知  
Specification subject to change without notice

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