

# FABL2838 | 1W~16 W | Weight: 75g (APPROX)

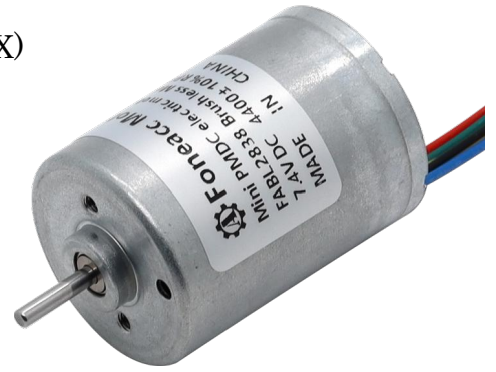
Rated Voltage from 6V to 30VDC, Speed, torque, etc. free customization.

## 典型应用 Typical Application

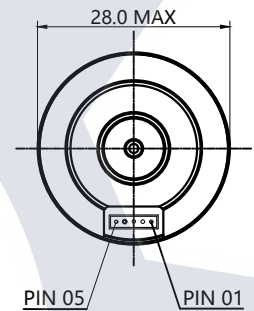
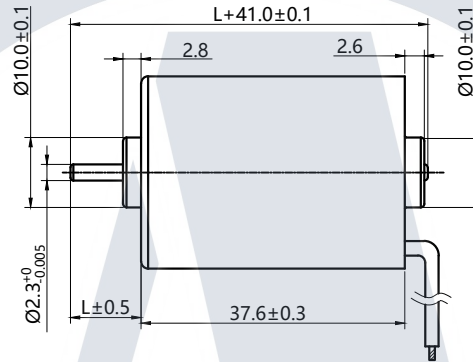
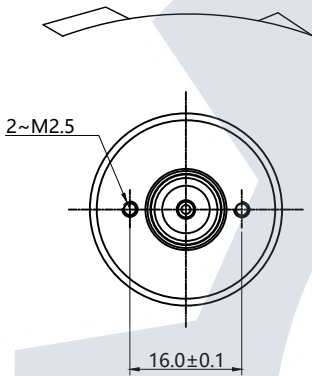
|                          |
|--------------------------|
| 个人护理(Personal Care)      |
| 家用电器(Home Application)   |
| 电动工具(Power Tools)        |
| 商业设备(Business Equipment) |
| 医疗器械(Medical Apparatus)  |

## 连接端口 Connector Interface

| Number | Wire color | Function |
|--------|------------|----------|
| 1      | Red        | VCC      |
| 2      | Green      | FG       |
| 3      | Yellow     | CW/CCW   |
| 4      | Black      | GND      |
| 5      | Blue       | PWM      |



## DIRECTION OF ROTATION



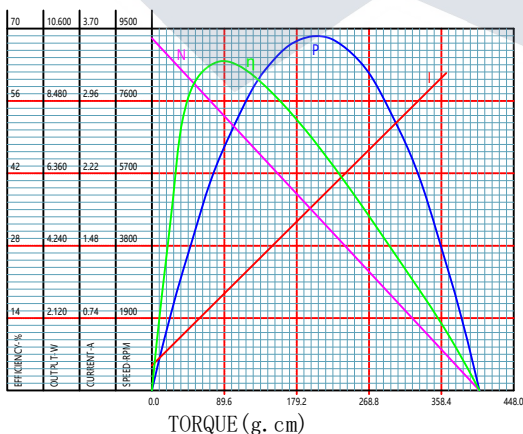
Shaft Length "L" can be customized charge-free, shaft shape can be also customized accordingly.

UNIT:MM

| 型号<br>Model | 电压 Voltage              |             | 空载 No Load  |               | 最大效率点At Max Efficiency |               |              |                |                  | 堵转 Stall     |               |       |       |
|-------------|-------------------------|-------------|-------------|---------------|------------------------|---------------|--------------|----------------|------------------|--------------|---------------|-------|-------|
|             | 工作范围<br>Operating Range | 额定<br>Rated | 转速<br>Speed | 电流<br>Current | 转速<br>Speed            | 电流<br>Current | 扭矩<br>Torque | 输出功率<br>Output | 效率<br>Efficiency | 扭矩<br>Torque | 电流<br>Current |       |       |
|             | VDC                     |             | RPM         | A             | RPM                    | A             | mN·m         | gf·cm          | W                | %            | mN·m          | gf·cm | A     |
| BL2838I-V1  | 6 - 12                  | 7.4         | 5,345       | 0.19          | 4,329                  | 0.798         | 8.28         | 84.5           | 3.76             | 63.6         | 43.60         | 445   | 3.392 |
| BL2838I-V2  | 8 - 16                  | 12          | 9,220       | 0.23          | 7,376                  | 0.918         | 8.77         | 89.5           | 6.78             | 61.5         | 43.88         | 448   | 3.689 |
| BL2838I-V3  | 8 - 26                  | 24          | 8,200       | 0.08          | 6,806                  | 0.411         | 8.54         | 87.1           | 6.09             | 61.7         | 50.54         | 516   | 2.028 |
| BL2838I-V4  | 8 - 26                  | 24          | 7,264       | 0.11          | 5,897                  | 0.475         | 14.54        | 148.33         | 8.98             | 78.8         | 77.29         | 788   | 2.048 |

BL2838I-V2 Performance curves

12V DC



BL2838I-V3 Performance curves

24V DC

