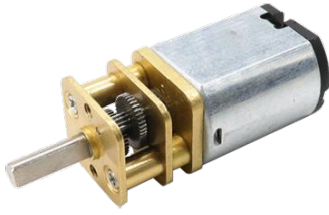
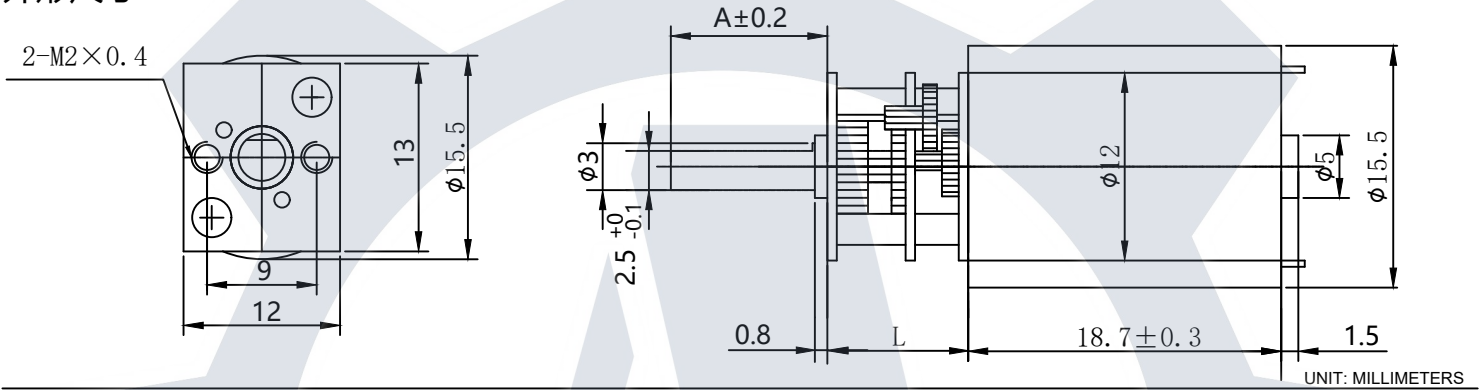


# FAGM13-030



|                         |   |                |                         |   |      |
|-------------------------|---|----------------|-------------------------|---|------|
| Number of stages        | 2   | 3              | 4                       | 5   | 7    |
| Reduction ratio         | 6, 9  | 16, 20, 26, 30 | 35, 52, 60, 67, 85, 100 | 118, 150, 170, 215, 250, 288, 297, 330, 360 | 1000 |
| Gearbox length 'L' mm   | 11  |                |                         |   | 14.1 |
| Shaft length 'A' mm     | Shape: Ø3 D-cut 0.5mm, shape & length customizable. |                |                         |   |      |
| Breaking torque(kgf.cm) | 0.6   | 0.9~1.2        |                         | 1.5~2                                       | 3    |
| Gearbox efficiency      | 81%   | 73%            | 65%                     | 59%   | 48%  |

## 外形尺寸 DIMENSION



## 直流正齿减速电机参数

### SPUR GEARED MICRO DC MOTOR SPECS (voltage, current, torque, etc free customization)

| 电压<br>Voltage | 级数 number of stages                          | 2      |       | 3     |       |       |       |       | 4     |       |       |       |      | 5    |      |      |      |      | 7    |      |      |      |
|---------------|--|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|
|               | 减速比<br>Gear Ratio                            | 6      | 9     | 16    | 20    | 26    | 30    | 35    | 52    | 60    | 67    | 85    | 100  | 118  | 150  | 170  | 215  | 250  | 297  | 330  | 360  | 1000 |
| 3V            | 额定扭力 kgf.cm<br>Rated Torque                  | 0.02   | 0.03  | 0.05  | 0.06  | 0.08  | 0.09  | 0.10  | 0.14  | 0.16  | 0.18  | 0.23  | 0.27 | 0.29 | 0.37 | 0.42 | 0.54 | 0.62 | 0.74 | 0.82 | 0.90 | 2.07 |
|               | 额定转速 RPM<br>Rated Speed                      | 1200   | 800   | 450   | 360   | 277   | 240   | 206   | 138   | 120   | 107   | 85    | 72   | 61   | 48   | 42   | 33   | 29   | 24   | 22   | 20   | 7    |
|               | 瞬间容许扭力 kgf.cm<br>Max Allowable Moment Torque | 1.5    | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  |
|               | 空载转速 RPM<br>No Load Speed                    | 1500   | 1000  | 563   | 450   | 346   | 300   | 257   | 173   | 150   | 134   | 106   | 90   | 76   | 60   | 53   | 42   | 36   | 30   | 27   | 25   | 9    |
| 6V            | 额定扭力 kgf.cm<br>Rated Torque                  | 0.02   | 0.04  | 0.06  | 0.08  | 0.10  | 0.11  | 0.12  | 0.18  | 0.21  | 0.23  | 0.29  | 0.34 | 0.37 | 0.47 | 0.53 | 0.67 | 0.78 | 0.93 | 1.03 | 1.12 | 2.58 |
|               | 额定转速 RPM<br>Rated Speed                      | 1133   | 756   | 425   | 340   | 262   | 227   | 194   | 131   | 113   | 101   | 80    | 68   | 58   | 45   | 40   | 32   | 27   | 23   | 21   | 19   | 7    |
|               | 瞬间容许扭力 kgf.cm<br>Max Allowable Moment Torque | 1.5    | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  |
|               | 空载转速 RPM<br>No Load Speed                    | 1433.3 | 955.6 | 537.5 | 430.0 | 330.8 | 286.7 | 245.7 | 165.4 | 143.3 | 128.4 | 101.2 | 86.0 | 72.9 | 57.3 | 50.6 | 40.0 | 34.4 | 29.0 | 26.1 | 23.9 | 8.6  |

## 电机参数 MICRO DC MOTOR SPECS (voltage, current, torque, etc free customization)

| 型号<br>Model    | 额定电压<br>Rated Voltage | 空载 No Load  |               | 额定负载 RATED LOAD |               |              |                |                  | 堵转 Stall     |               |
|----------------|-----------------------|-------------|---------------|-----------------|---------------|--------------|----------------|------------------|--------------|---------------|
|                |                       | 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             | gf.cm        | W              | %                | gf.cm        | A             |
| FAFF-030-12145 | 3                     | 9000        | 0.06          | 7200            | 0.25          | 4            | 0.296          | 39.4             | 20           | 0.8           |
| FAFF-030-09270 | 6                     | 8600        | 0.04          | 6800            | 0.14          | 5            | 0.349          | 41.6             | 24           | 0.4           |