

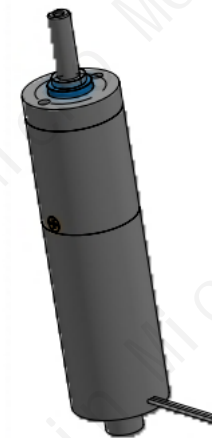
### Coreless Brushless Motor

Wiring Sequence: PIN1-3

pin1 - U (White)

pin2 - V (Yellow)

pin3 - W (Blue)



#### Motor Performance Parameters:

Motor Type: Coreless Brushless Motor

1. Operating Voltage: 12V

2. No-load Speed: 25000 ± 10% RPM

3. No-load Current: ≤ 0.4A

4. Load Speed: 20000 ± 10% RPM

5. Load Torque: ≥ 60 g·cm

6. Load Current: ≤ 0.8A

7. Stall Torque: > 100 g·cm

8. Pole Pairs: 2

9. Operating Temperature: -40~85°C

10. Noise: ≤ 45 dB

11. Maximum Motor Efficiency: 75%

#### Gear Motor Performance Parameters:

1. Operating Voltage: 12V

2. No-load Speed: 200 ± 10% RPM

3. No-load Current: ≤ 0.5A

4. Load Speed: 80 ± 10% RPM

5. Load Torque: ≥ 0.4 N·m

6. Load Current: ≤ 1A

7. Operating Temperature: -40~80°C

8. Gear Ratio: 1:125

9. Noise: ≤ 55 dB

10. Gearbox Material: Solid Steel (Machined)

设计		第一视觉画法 	13mm Planetary Gearbox + 13mm Coreless Brushless Motor (Product Type)
审核			TSL-PG13K125-KW1327 (Product Model)
批准		未注线性与角度尺寸公差: GB/T 1804-m eqv ISO 2768-1:m	Tsinglin Micro Motors Limited
日期	2025.08.08		