



Coreless Brushless Motor

Wiring Sequence: PIN1-3

pin1 - U (White)

pin2 - V (Yellow)

pin3 - W (Blue)



Motor Performance Parameters:

1. Motor Type: Coreless Brushless Motor
2. Operating Voltage: 12V
3. No-load Speed: 25000 ±10% RPM
4. No-load Current: ≤0.4A
5. Load Speed: 20000 ±10% RPM
6. Load Torque: ≥40 g·cm
7. Load Current: ≤0.8A
8. Stall Torque: >100 g·cm
9. Pole Pairs: 2
10. Operating Temperature: -40~85°C
11. Noise: ≤45 dB
12. Maximum Motor Efficiency: 75%

Gear Motor Performance Parameters:

1. Operating Voltage: 12V
2. No-load Speed: 90 ±10% RPM
3. No-load Current: ≤0.5A
4. Load Speed: 80 ±10% RPM
5. Load Torque: ≥0.7 N·m
6. Load Current: ≤1A
7. Operating Temperature: -40~80°C
8. Gear Ratio: 1:256
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-PG13K256-KW1317 (Product Model)
批准		未注线性与角度尺寸公差: GB/T1804-m eqv ISO 2768-1:m	Tsinglin Micro Motors Limited
日期	2025.08.08		