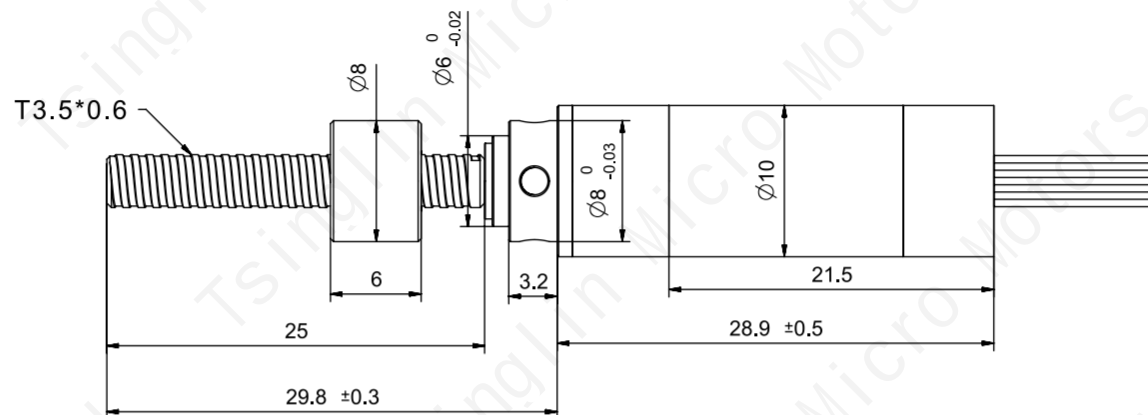
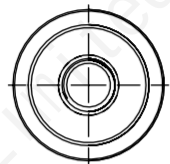




T-type Lead Screw Geared Motor Parameters

- 1.Screw Material: Stainless Steel
- 2.Nut Material: Tin Bronze
- 3.Diameter: 3.5 mm
- 4.Number of Starts: 1 Start
- 5.Pitch: 0.6 mm
- 6.Lead: 0.6 mm
- 7.Thread Direction: Right-hand
- 8.Total Stroke: 25 mm
- 9.Output Thrust of Screw & Nut: 80 N
- 10.No-load Output Speed: 9.5 ±10% mm/s
- 11.Rated Output Speed: 8 ±10% mm/s

Built-in TTL Driver Pin Definition (Pin 1 – 4 Wiring)

- Pin 1: GND – Black wire
Pin 2: VDD – Red wire
Pin 3: RXD – Yellow wire
Pin 4: TXD – Blue wire

Motor Performance Parameters

- 1.Motor Type: Coreless Brushless DC Motor
- 2.Operating Voltage: 12 V
- 3.No-load Speed: 27000 ±10% RPM
- 4.No-load Current: ≤ 0.4 A
- 5.Rated Speed: 22500 ±10% RPM
- 6.Rated Torque: ≥ 11 g·cm
- 7.Rated Current: ≤ 1 A
- 8.Stall Torque: ≥ 47 g·cm
- 9.Number of Pole Pairs: 2 pole pairs
- 10.Operating Temperature: -40 ~ 85 °C
- 11.Noise Level: ≤ 45 dB
- 12.Maximum Motor Efficiency: 75%

Geared Motor Parameters

- 1.Operating Voltage: 12 V
- 2.No-load Speed: 950 ±10% RPM
- 3.No-load Current: ≤ 0.5 A
- 4.Rated Speed: 800 ±10% RPM
- 5.Rated Torque: ≥ 190 g·cm
- 6.Rated Current: ≤ 1 A
- 7.Operating Temperature: -40 ~ 80 °C
- 8.Reduction Ratio: 1:28
- 9.Noise Level: ≤ 55 dB
- 10.Gearbox Material: Solid Steel (Machined)

设计

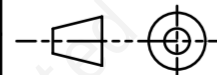
审核

批准

日期

2026.07.23

第一视觉画法



未注线性与角度尺寸公差：
GB/T1804-m eqv
ISO 2768-1:m

10mm Planetary Gearbox + 10mm Coreless Brushless DC Motor + T-type Lead Screw & Nut + Built-in Driver (Motor Type)

PG10K28-KW1016-SGT35+TTL

〈产品型号〉

Tsinglin Micro Motors Limited