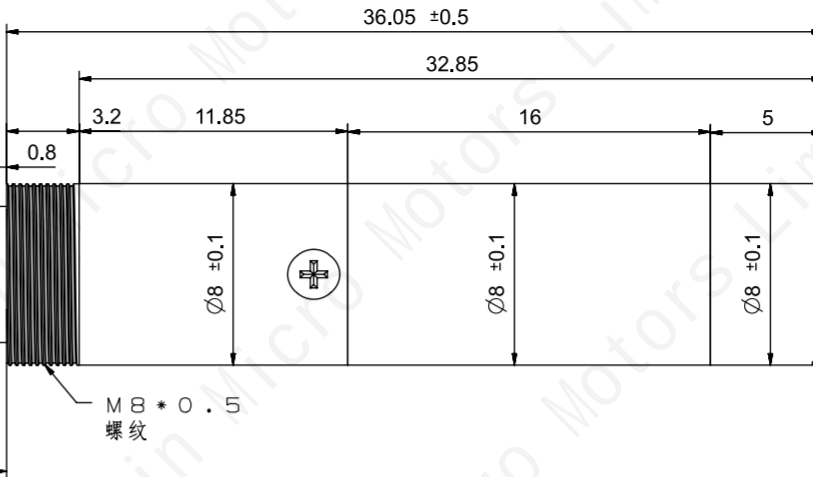
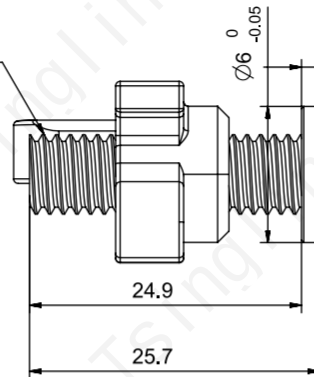
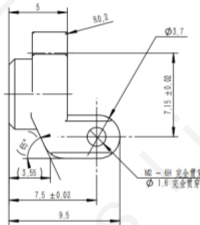
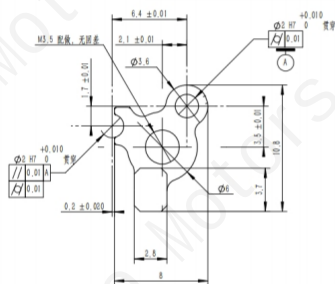


T3.5配做，无回差

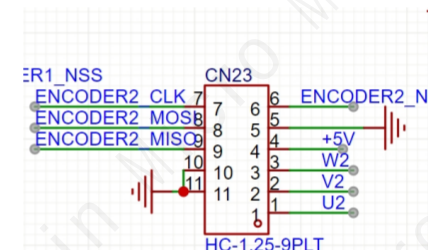
// 0.01 A



适配螺母：



连接器：HC-1.25-9Y
线长100mm



T-type Lead Screw Nut Parameters

Motor Performance Parameters

- 1.Motor Type: Coreless Brushless DC Motor
- 2.Operating Voltage: 12 V
- 3.No-Load Speed: 32000 $\pm 10\%$ RPM
- 4.No-Load Current: ≤ 0.15 A
- 5.Rated Speed: 18000 $\pm 10\%$ RPM
- 6.Rated Torque: ≥ 10 g·cm
- 7.Rated Current: ≤ 0.5 A
- 8.Number of Pole Pairs: 2 pole pairs
- 9.Operating Temperature: -40 ~ 85°C
- 10.Noise Level: ≤ 45 dB
- 11.Maximum Motor Efficiency: 75%

Geared Motor Parameters

- 1.Operating Voltage: 12 V
- 2.No-Load Speed: 500 $\pm 10\%$ RPM
- 3.No-Load Current: ≤ 0.2 A
- 4.Rated Speed: 280 $\pm 10\%$ RPM
- 5.Rated Torque: ≥ 320 g·cm
- 6.Rated Current: ≤ 0.6 A
- 7.Operating Temperature: -40 ~ 85°C
- 8.Gear Reduction Ratio: 1:64
- 9.Noise Level: ≤ 55 dB
- 10.Gearbox Material: Machined Solid Steel
- 11.Stall Torque: ≥ 500 g·cm
- 12.Stall Current: ≤ 0.8 A

- 1.Screw Material: Stainless Steel
- 2.Nut Material: Tin Bronze
- 3.Diameter: 3.5 mm
- 4.Number of Starts: 1-start
- 5.Pitch: 1 mm
- 6.Lead: 1 mm
- 7.Rotation Direction: Right-hand
- 8.Total Travel: 34.4 mm
- 9.Output Thrust of Lead Screw Nut: 60 N
- 10.No-Load Output Speed: 8 $\pm 10\%$ mm/s
- 11.Rated Output Speed: 5 $\pm 10\%$ mm/s

Encoder Pinout: PIN 1~6

PIN1: MI
PIN2: MO
PIN3: LK
PIN4: SS
PIN5: GND
PIN6: +5V

Remarks: Absolute Encoder, SPI communication interface, 14-bit single turn absolute position output

Coreless Brushless Motor Pinout: PIN 1~3

PIN1: U Phase
PIN2: V Phase
PIN3: W Phase

设计

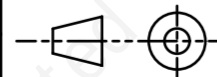
审核

批准

日期

2025.09.18

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

8mm planetary gearbox+8mm coreless brushless motor+absolute encoder
(Product Type)

PG8K64-KW0816+SPI14
(Product Model)

Tsinglin Micro Motors Limited