

Foldback Linear Actuator Motor Parameters

1. Rated Voltage: 12V
2. Rated Current: 800 mA
3. Peak Current:  $\geq 2$  A
4. Operating Temperature: -10 to 60°C
5. Actuator Stroke: 12 mm
6. Rated Push/Pull Force: 300N
7. Maximum Push/Pull Force: 500N
8. Actuator No-Load Speed:  $\geq 0.4$  mm/s
9. Actuator Repeat Positioning Accuracy:  $\pm 3$   $\mu$ m
10. With Absolute Value Feedback
11. Communication Interface: RS485
12. Output Terminal Interface: PH2.0-5P

Motor Performance Parameters

1. Motor Type: Coreless Brushed Motor
2. Operating Voltage: 12V
3. No-Load Speed: 22000  $\pm$  10% RPM
4. No-Load Current:  $\leq 40$  mA
5. Load Speed: 20000  $\pm$  10% RPM
6. Load Torque:  $\geq 11$  g·cm
7. Load Current:  $\leq 0.3$  A
8. Stall Torque:  $\geq 120$  g·cm
9. Stall Current:  $\leq 3$  A
10. Number of Pole Pairs: 1 pole pair
11. Operating Temperature: -40 to 85°C
12. Noise:  $\leq 45$  dB
13. Maximum Motor Efficiency: 75%

Geared Motor Performance Parameters

1. Operating Voltage: 12V
2. No-Load Speed: 60  $\pm$  10% RPM
3. No-Load Current:  $\leq 0.2$  A
4. Load Speed: 50  $\pm$  10% RPM
5. Load Torque:  $\geq 0.24$  N·m
6. Load Current:  $\leq 0.5$  A
7. Operating Temperature: -20 to 100°C
8. Gear Reduction Ratio: 1:371.425  
(Planetary 1:25; Gear Set 1:14.857)
9. Noise:  $\leq 55$  dB
10. Gearbox Material: Pure Steel  
(Machined)

设计

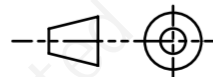
审核

批准

日期

2026.05.06

第一视觉画法



未注线性与角度尺寸公差:  
GB/T 1804-m eqv  
ISO 2768-1:m

Planetary Gearhead + Coreless Brushed Motor +  
Planetary Roller Screw

(产品类型)

SAG-1565 Linear Actuator Motor

(产品型号)

Tsinglin Micro Motors Limited