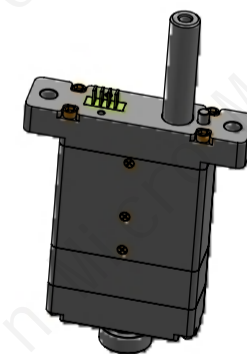


Retractable Linear Actuator Parameters

- Rated Voltage: 12V
- Rated Current: 800mA
- Peak Current: 2A
- Operating Temperature: -10 ~ 60°C
- Actuator Stroke: 12mm
- Rated Push & Pull Force: 300N
- Maximum Push & Pull Force: 500N
- No-load Actuator Speed: ≥ 0.4mm/s
- Actuator Repeat Positioning Accuracy: ± 3μm

With Absolute Value Feedback  
Communication Interface: RS485  
Output Terminal Connector: TF-A20M-4Pin-R1

DETAIL A  
SCALE 2:1



Motor Performance Parameters

- Motor Type: Coreless Brushed Motor
- Operating Voltage: 12V
- No-load Speed: 22000 ± 10% RPM
- No-load Current: ≤ 40mA
- Load Speed: 20000 ± 10% RPM
- Load Torque: ≥ 11g·cm
- Load Current: ≤ 0.3A
- Stall Torque: ≥ 120g·cm
- Stall Current: ≤ 3A
- Pole Pairs: 1 Pair
- Operating Temperature: -40 ~ 85°C
- Noise: ≤ 45dB
- Maximum Motor Efficiency: 75%

Geared Motor Performance Parameters

- Operating Voltage: 12V
- No-load Speed: 60 ± 10% RPM
- No-load Current: ≤ 0.2A
- Load Speed: 50 ± 10% RPM
- Load Torque: ≥ 0.24N·m
- Load Current: ≤ 0.5A
- Operating Temperature: -20 ~ 100°C
- Gear Reduction Ratio: 1:371.425  
(Planetary Gear Ratio: 1:25; Gear Set Ratio: 1:14.857)
- Noise: ≤ 55dB
- Gearbox Material: Machined Solid Steel

设计		第一视觉画法 
审核		
批准		未注线性与角度尺寸公差: GB/T1804-m eqv ISO 2768-1:m
日期	2026.06.17	

Planetary Reducer + Coreless Brushed Motor + Planetary Roller Screw  
(Product Type)  
SAG-1565-END Linear Actuator  
(Product Model)