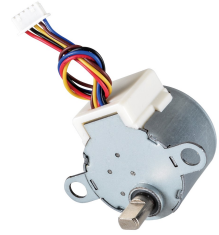


# Compact DC Gear Motor

This compact DC gear motor features a metal gearbox and a multi-colored wire harness with a connector. It is suitable for various automation and robotics applications.

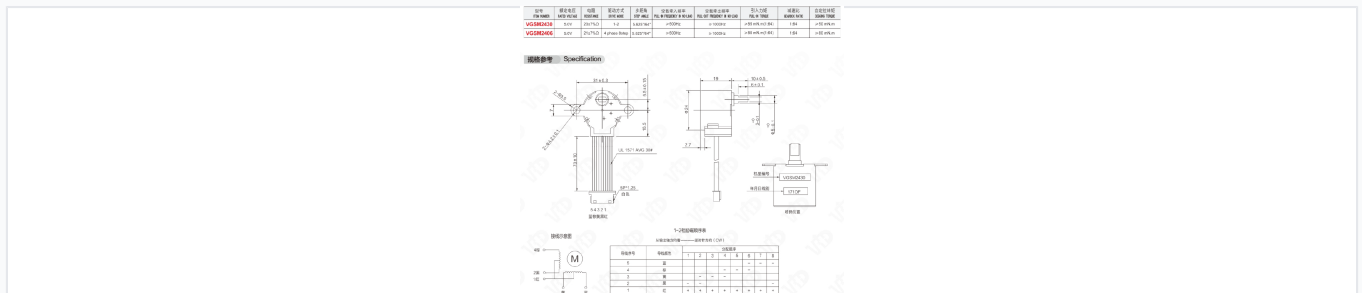


## Overview

### VGSM24 Series Gear Motor

The VGSM24 series gear motors are compact and efficient drive solutions designed for precision automation and robotics applications. These motors feature a robust metal gearbox with a 1:64 reduction ratio, ensuring reliable performance across various tasks. With a rated voltage of 5.0V and a step angle of 5.625°/64°, they offer consistent operational control and torque output suitable for demanding B2B integration projects.

## Technical Specifications



Technical diagram detailing the VGSM24 series specifications, wiring sequence, and dimensions.

Rated Voltage	5 V
Gearbox Ratio	1:64
Step Angle	5.625°/64°
Drive Mode	4 phase 8 step

## Performance Metrics

### Key Performance Metrics

Metric	VGSM2430	VGSM2406
Resistance	20±7%⊙	21±7%⊙
Pull-in Torque	e85nN.m	e80nN.m
Cogging Torque	e50nN.m	e80nN.m

### Frequency Specifications

**500 Hz**

Pull-in Frequency (No-load)

**1000 Hz**

Pull-out Frequency (No-load)

## Connectivity

### Wiring Information

- Wire Type: UL 1571 AVG 30#
- Connector: 5P\*1.25
- Wire Colors: Blue, Brown, Yellow, Black, Red