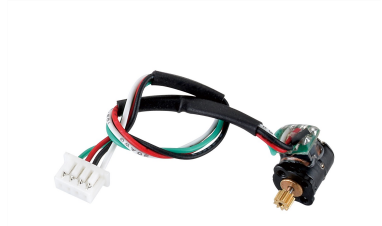


Miniature Geared Stepper Motor

This miniature stepper motor has an integrated PCB for control and connection. The geared output shaft allows for increased torque and precise positioning.



Product Overview

VSM06 Series Stepper Motor

The VSM06 is a miniature geared stepper motor designed for precision motion control in compact environments. Featuring an integrated PCB and a geared output shaft, it delivers consistent torque and reliable performance for robotics and automation applications. This unit supports 2-2 drive mode and utilizes a standardized molex connection for seamless system integration.

Performance Metrics

Performance Highlights

1300 PPS

Max Self-Start Frequency

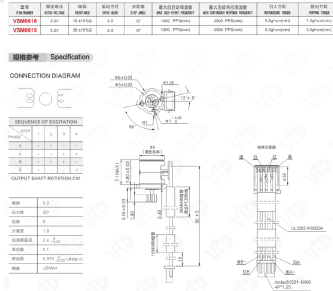
2500 PPS

Max Continuous Frequency

18 °

Step Angle

Technical Specifications



Dimensional drawing and connection schematic for VSM06 series.

Electrical & Physical Specs

Attribute	VSM0616	VSM0615
Rated Voltage	3.3V	3.3V
Resistance	12 ±10% \odot	30 ±10% \odot
Introducing Torque	0.8gf-cm(min)	0.3gf-cm(min)
Tripping Torque	1.0gf-cm(min)	0.5gf-cm(min)

Gearbox Details

- Module: 0.2
- Pressure Angle: 20°
- Teeth Count: 9
- Dividing Circle: 1.8
- Tooth Top Circle Diameter: 2.4 -0.05
- Precision: JGMA4

Connectivity

Wiring & Interface

molex51021-0400, 4P*1.25 Connector, UL3302 AWG30 wiring