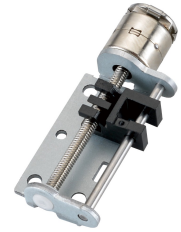


Miniature Stepper Motor with Lead Screw

This miniature linear actuator is driven by a stepper motor. It incorporates a lead screw mechanism to achieve precise linear motion.



General Overview

VSM08 Precision Linear Actuator

The VSM08 is a high-precision miniature stepper motor equipped with a specialized lead screw mechanism for accurate linear positioning. Designed with a compact form factor, it features stable guide rods and a robust mounting plate for reliable operation in space-constrained applications. It supports multiple voltage configurations and provides consistent performance with a defined 18-degree step angle and clockwise rotation.

Performance Metrics

Key Operating Metrics

18 deg

Step Angle

2000 PPS

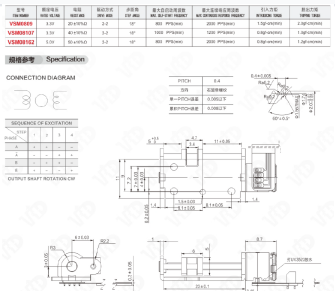
Max Response Freq

0.4 mm

Lead Screw Pitch

Technical Specifications

Model	Voltage	Resistance	Self-Start Freq
VSM0809	3.3V	20 ±10%Ⓞ	800 PPS
VSM08107	3.3V	40 ±10%Ⓞ	1000 PPS
VSM08162	5.0V	50 ±10%Ⓞ	800 PPS



Engineering specification data and connection diagrams for the VSM08 series.

Model Configuration Table

Model	Voltage	Resistance	Self-Start Freq
VSM0809	3.3V	20 ±10%Ⓞ	800 PPS
VSM08107	3.3V	40 ±10%Ⓞ	1000 PPS
VSM08162	5.0V	50 ±10%Ⓞ	800 PPS

Mechanical Design

Precision Features

Clockwise Rotation, Single Lead Screw, High Precision, Compact Design