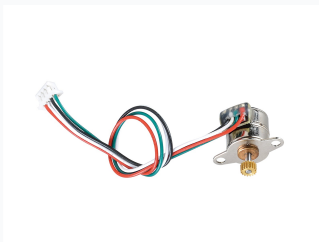


Miniature Stepper Motor with Connector

This miniature stepper motor is designed for precise control in automation applications. It includes a JST connector for easy integration and color-coded wires for simplified installation.



ADDITIONAL IMAGES

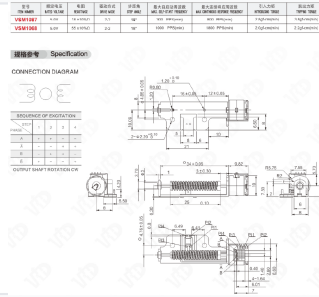


Overview

VSM10 Miniature Stepper Motor Series

The VSM10 series comprises compact, high-precision stepper motors engineered for demanding applications in robotics, automation, and small-scale mechanical systems. Available in multiple variants, these motors offer reliable performance with 18-degree step angles and 2-2 drive mode support. Designed for versatility, they feature integrated wiring harnesses with standard connectors and are optimized for stable motion control in constrained spaces.

Technical Specifications



Dimensional drawings and performance curves for VSM10 series models.

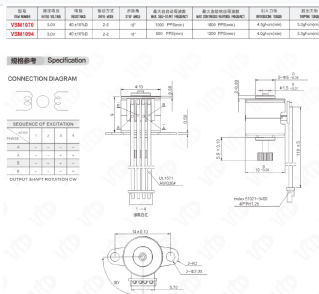
Performance Matrix

Model	Resistance	Max Self-Start Freq	Max Response Freq
VSM1087	18 ±10%Ω	300 PPS	800 PPS
VSM1068	55 ±10%Ω	1000 PPS	1800 PPS
VSM1070	40 ±10%Ω	1000 PPS	1800 PPS
VSM1094	40 ±10%Ω	800 PPS	1200 PPS

Rated Voltage 5 V

Step Angle 18 deg

Connectivity



Connector pinout and electrical excitation sequence diagram.

Phase Excitation

- Phase A
- Phase
- Phase B
- Phase B

Wiring Standards

UL1571 AWG30#, 4-Pin Connector, Molex 51021-0400