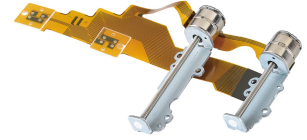


Miniature Linear Motion Module with Stepper Motors



This miniature linear motion module features two precision lead screw actuators mounted on a flexible printed circuit board. It is designed for applications requiring precise and synchronized linear actuation in a compact form factor.

Overview

Module VSM10 Compact Linear Actuator

The VSM10 miniature linear motion module is designed for applications requiring highly precise and synchronized linear actuation within a compact form factor. Featuring two precision lead screw actuators mounted on a flexible printed circuit board (FPC), this module offers reliable performance for space-constrained environments. It is engineered with a 2-2 drive mode and right-hand single thread configuration, ensuring consistent movement and integration ease.

Electrical Specifications

Rated Voltage	5 V
Resistance	55±10%Ⓞ
Drive Mode	2-2

Performance Metrics

Key Performance Metrics

1100 pps (min)

Max Self-Start Frequency

1800 pps (min)

Max Continuous Response Frequency

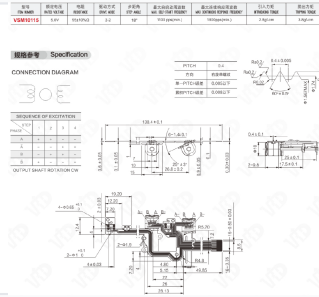
2.8 gf-cm

Introducing Torque

3.8 gf-cm

Tripping Torque

Mechanical Specifications



Technical diagram detailing the VSM10115 stepper motor module dimensions and excitation sequence.

Pitch Specifications

Parameter	Value
Pitch	0.4
Thread Direction	Right-hand single thread
Single Pitch Error	< 0.005
Cumulative Pitch Error	< 0.008
Step Angle	18 °