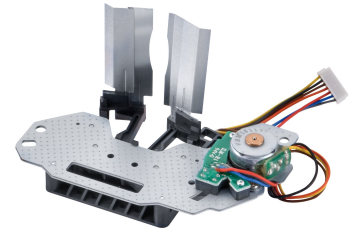


Stepper Motor Module

This module features a compact motor assembly mounted on a perforated metal base. It incorporates reflective metal components and a multi-wire connector.



Product Overview

Precision Stepper Motor Module VSM15117

The VSM15117 is a precision-engineered stepper motor module designed for high-reliability applications, such as business automation equipment and projector systems. This compact assembly features a robust motor mounted on a perforated metal base, ensuring seamless integration and consistent performance. With a 2-2 drive mode and a 5.0V rated voltage, it is optimized for controlled, responsive operation in demanding technical environments.

Electrical Specifications

| | |
|---------------|-------------|
| Rated Voltage | 5 V |
| Resistance | 12 Ω |

Performance Metrics

Operational Performance

500 PPS

Max Self-Start Frequency

1000 PPS

Max Continuous Response Frequency

6 gf-cm

Introducing Torque

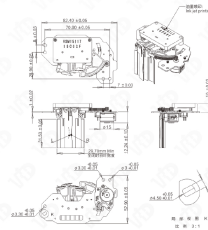
8 gf-cm

Tripping Torque

Mechanical Specifications

| | | | | | | | | | |
|----------|------|-------|------|----------|----------|---------|----------|----------|----------|
| 型號 | 線圈電壓 | 線圈電流 | 步距角 | 最大轉速 | 最大輸出力矩 | 最大輸出功率 | 最大靜態力矩 | 最大靜態力矩 | 最大靜態力矩 |
| VSM15117 | 5.1V | 500mA | 1.8° | 1200 RPM | 0.055 Nm | 0.009 W | 0.025 Nm | 0.025 Nm | 0.025 Nm |

圖樣說明 Specification



Technical drawing and specification sheet for the VSM15117 module, detailing key dimensions and operational parameters.

Key Dimensions Reference

| Parameter | Value |
|------------------------------|-------------------|
| Primary Length | 82.40 ±0.05 mm |
| Primary Width | 70.90 ±0.05 mm |
| Secondary Width | 52.90 ±0.05 mm |
| Diameter 1 | ∅3.30 +0.01/+0.05 |
| Diameter 2 | ∅4.50 +0.01/+0.05 |
| Drive Mode | 2-2 |
| Step Angle | 18 ° |
| Min Full Close Feather Width | 29.7 mm |