

Miniature DC Gear Motor

This miniature DC gear motor features a compact design with an integrated gearbox. It is suited for robotics, automation, and hobby projects requiring precise motion control.

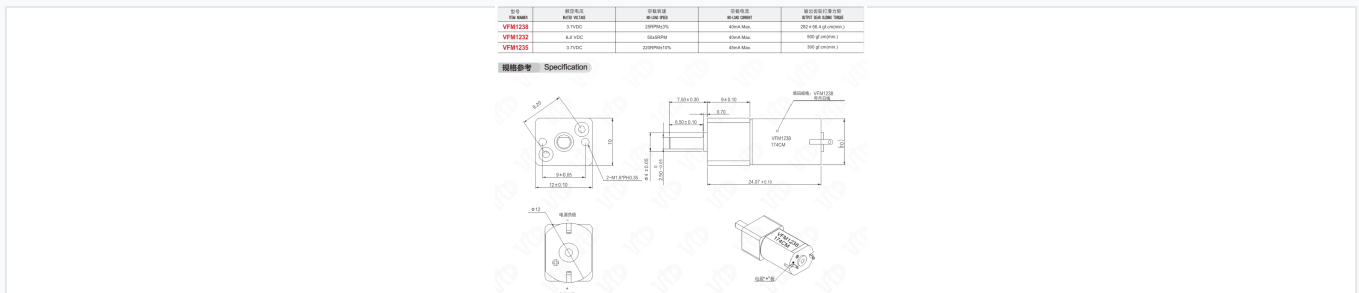


Product Overview

Miniature DC Gear Motor VFM12 Series

The VFM12 series is a compact, high-efficiency DC gear motor designed for applications requiring precise motion control in limited spaces. Featuring an integrated gearbox, these motors provide increased torque and reduced speed, making them ideal for robotics, automation, and hobbyist engineering projects. The durable construction ensures minimal backlash and reliable long-term operation.

Technical Specifications



Technical diagram and performance data for VFM1238, VFM1232, and VFM1235 models.

Model Performance Data

Model	Voltage	No-Load Speed	No-Load Current	Sliding Torque
VFM1238	3.7 VDC	25 RPM \pm 3%	40mA Max.	282 \pm 56.4 gf.cm
VFM1232	6.0 VDC	50 \pm 5 RPM	40mA Max.	500 gf.cm
VFM1235	3.7 VDC	220 RPM \pm 10%	45mA Max.	300 gf.cm

Physical Dimensions

Motor Body Dimensions

12 mm

Body Diameter

24.07 mm

Body Length

Shaft Specifications

4 mm

Shaft Diameter

2.5 mm

Shaft Length

Features

Ideal Applications

Robotics, Automation, Hobby Projects, Motion Control