

NFP-608-26.45-SGM

DC STEP GEAR MOTOR

6mm Micro DC Step Gear Motor - 16mm Type



- 1. Precision 6mm micro step gear motor for controlled motion in compact mechanisms.
- 2. 4.8V DC, two-phase polar drive with A+, A-, B+, B- phase sequence.
- 3. 26.45:1 gearbox ratio with 2-stage reduction for stable low-speed output.
- 4. JST 1.25 pitch connector and 200mm lead wire for straightforward integration.
- 5. Stepper construction supports speed and torque control with low-noise operation.

Performance Range	Key Features	Typical Applications
Voltage 4.8V DC	2 phase polar drive	Precision robotics
Ratio 26.45:1	18°/step control	Medical instruments
Frequency 1500/2500 PPS	Low noise micro drive	Compact automation

ELECTRICAL & MECHANICAL PARAMETERS

Motor Model	NFP-608-26.45-SGM
Rated Voltage	4.8V DC
Gear Ratio	26.45:1
Gearbox Layers	2 Stage
Lead Wire	3302 #30; wire length 200mm
Connector	JST 1.25 pitch
Coil Phase Sequence	A+, A-, B+, B-
Coil Resistance	26.5 ohm ±7%
No. of Phase	2 Phase
Step Angle	18° / step

Excitation Method	2 Phase Exciting
Drive Mode	Polar Drive
Pull In Torque	1.2gf·cm min. (500pps)
Pull Out Torque	1.6gf·cm min. (500pps)
Max. Starting Frequency	1500 PPS min.
Max. Response Frequency	2500 PPS min.
Insulation Class	E Class
Insulation Strength	100V AC, 1S
Insulation Resistance	1 Mohm (DC100V)
Operating Temperature	-20°C to 70°C

ENGINEERING NOTES

- Continuous operation should be validated against voltage, temperature rise and load conditions.
- Customization is available for dimensions, shaft, connector, gear ratio and application-specific requirements.

Data Source	nfpshop.com product page
Reference	NFP-Motor datasheet layout template
Website	https://nfpmotor.com

OUTLINE DRAWING

