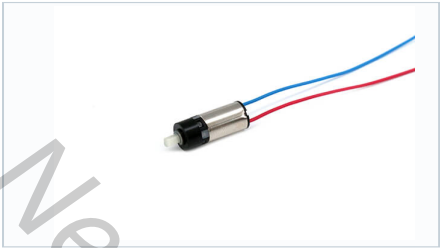


NFP-609-5.14-0675

6mm mini DC gear motor, 15mm type, standard shaft



- 1. 6mm precision DC gear motor with compact plastic gearbox.
- 2. Standard shaft model with 5.14:1 reduction ratio and 3V DC rated voltage.
- 3. Designed for miniature drive mechanisms that need low current and light weight.
- 4. Bidirectional CW/CCW rotation with no-load speed of 6,400rpm at 3V DC.
- 5. Typical use includes electronic rotating mascaras, robotic mechanisms, and medical equipment.

3V DC

RATED VOLTAGE

5.14:1

RATIO

4,600rpm

RATED SPEED

1.2g

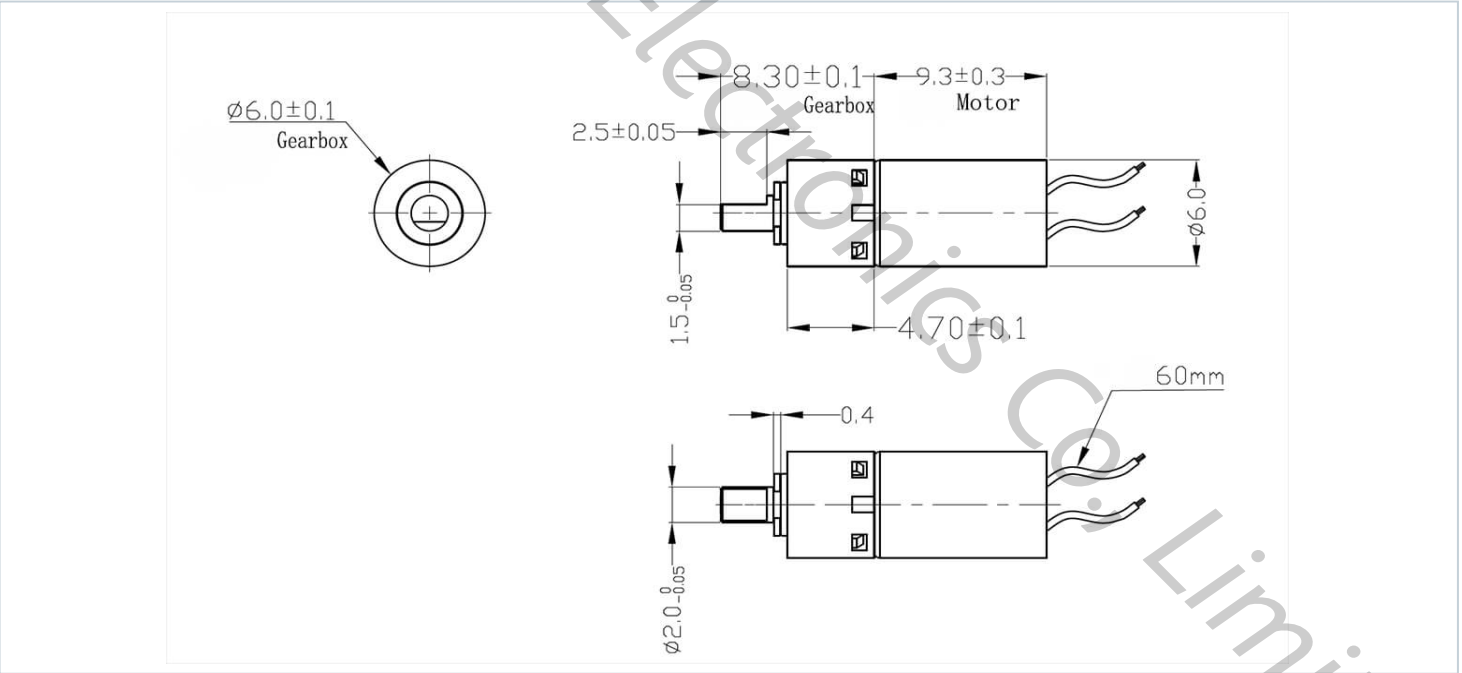
WEIGHT

PRODUCT SPECIFICATIONS

Motor Model	NFP-609-5.14-0675	Rated Voltage	3V DC
Ratio	5.14 : 1	Operating Temperature Range	-20degC to 50degC
No-load Speed	6,400 +/- 15% RPM	No-load Current	≤30mA
Rated Torque	1.2g.cm	Rated Speed	4,600 +/- 10% RPM
Rated Current	60mA	Stall Current	230mA
Stall Torque	4.5g.cm	Rotation	CW / CCW
Noise	≤45dB	Axial Gap	0.3 Max
Weight	1.2g	Gear Motor Length	14mm

Noise test method: 10cm away from the reducer, environmental noise 31dB. Values are copied from the product page and are customizable according to requirements.

MINIATURE GEARED MOTOR OUTLINE DRAWING



The outline drawing is the source product drawing. Unit values are shown on the drawing.

KEY PERFORMANCE SUMMARY

Reduction Ratio	5.14 : 1
No-load Speed	6,400 +/- 15% RPM
Rated Speed	4,600 +/- 10% RPM
Rated Torque	1.2g.cm
Stall Torque	4.5g.cm
Rated Current	60mA

APPLICATIONS AND SOURCE

TYPICAL APPLICATIONS

Electronic rotating mascaras, robotic mechanisms, medical equipment, and other compact low-current miniature gear motor mechanisms.