BL3525O 35mm BLDC Brushless Motor



Produktkode: 846aa
Tilgjengelighet: 1
Weight: 0.00kg
Custom Field 5 (Location): s199

Pris: kr. 180,00

Kort beskrivelse
BL3525O 35mm BLDC Brushless Motor DC6V-7.4V 3100RPM High Torque Strong NdFeB Magnetism Engine PWM Speed For Fascial gun

Beskrivelse

Description

Report Item

Specification:

The brushless motor of the brand new mini fascia gun in stock is made of neodymium iron boron high-strength magnetic material, which is small but has high torque. It comes with a drive plate, with a rated voltage of DC7.4V and a suitable voltage of DC6V-12V. Please note that it is a constant speed motor, and voltage changes cannot change its speed. If you want to adjust the speed, you can only input a PWM signal and use a duty cycle to adjust the speed. If the PWM wire is connected to the negative pole of this motor, it will run at the highest speed, so it can operate normally with only one set of DC power supply. It also supports inputting PWM signals and adjusting speed with a duty cycle. This motor uses a duty cycle to reduce the speed to over 1000 revolutions, but the force is still very strong and cannot be stopped by hand. This motor should be equipped with a miniature fascia gun

The definition of wiring is as follows: (lower definition of wiring on the driver board)

Red line: positive pole

Qingxian: FG (unknown usage, suspended without connection)

Yellow line: NTC (unknown usage, suspended without connection)

Black line: GND (common GND of power supply and PWM)

Blue line: PWM (if connected to the negative pole motor, running at maximum speed)

If PWM speed regulation is required, input a pulse signal on the blue line, and the negative pole of the pulse signal should also be connected to the black line in parallel, using a duty cycle for speed regulation (effective range of 30% -99%). If the blue wire is connected to the black wire, the motor will run at the highest speed, so that it can operate normally with only one set of DC power

supply. Note that adjusting the voltage cannot change the motor speed. The steering of this motor is CW (forward rotation), and it cannot switch between forward and reverse rotation.

Outer diameter of motor: 35 MM

Motor shaft diameter: 6 mm (with flat position of 5 mm)

Line length: approximately 60 MM

Motor weight: 67 grams

Motor rotation: CW

This motor can operate normally at DC6V-12V. If the red wire is connected to the positive pole, and the black and blue wires are connected to the negative pole, the motor will operate at the highest speed. (unable to start below 6V)

Voltage: DC6V No load current: 0.25 A Maximum speed: 3100 rpm

Voltage: DC7.4V No load current: 0.22 A Maximum speed: 3100 rpm

Voltage: DC9V No load current: 0.19 A Maximum speed: 3100 rpm

Voltage: DC12V No load current: 0.16 A Maximum speed: 3100 rpm

If a PWM signal is input on the blue line and the negative pole of the PWM signal is also connected to the black line, then adjusting the duty cycle can adjust the speed.

The following measured rotational speeds with different duty ratios:

30% 3100RPM 0.22 A

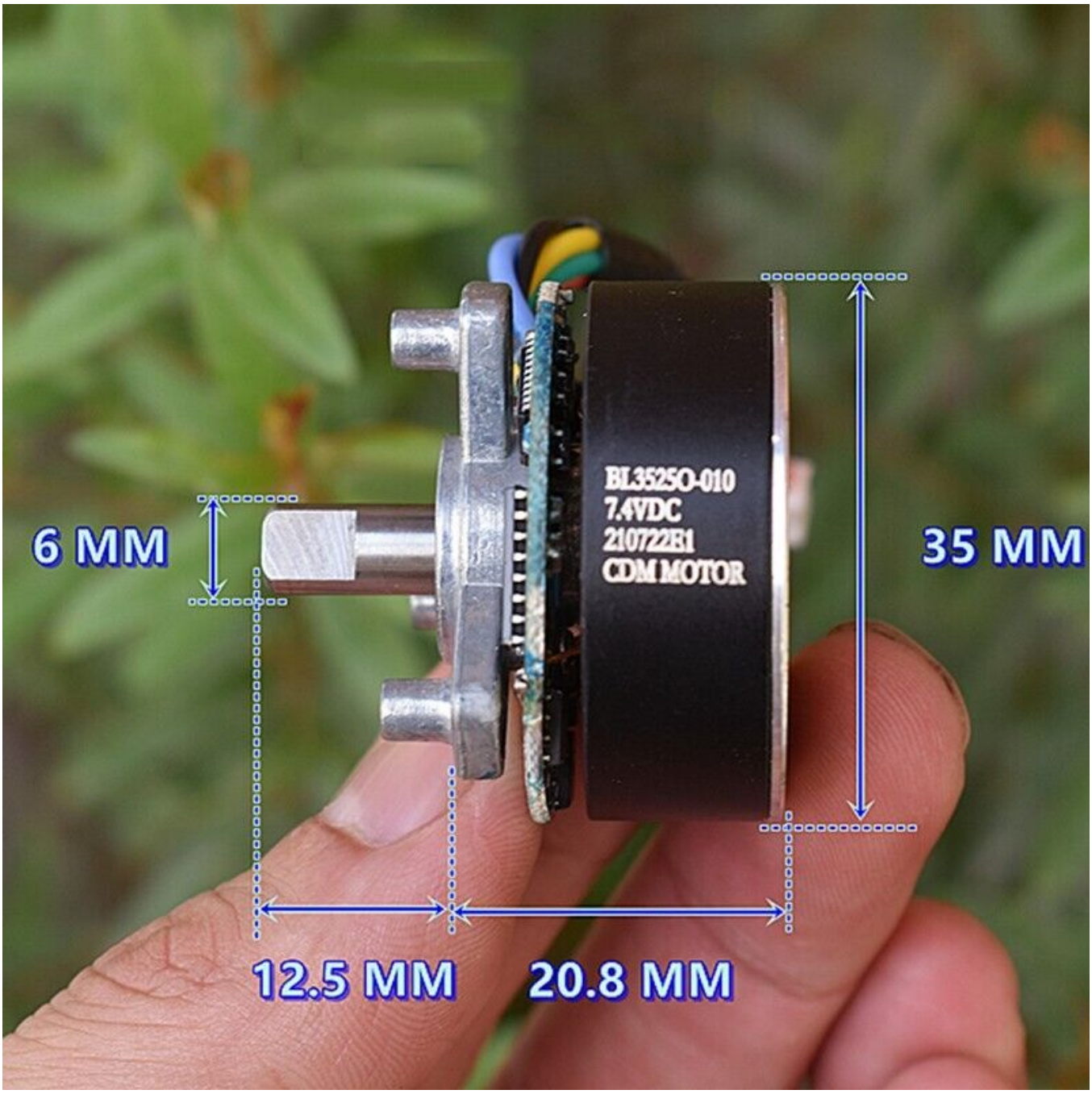
40% 2930RPM 0.21 A

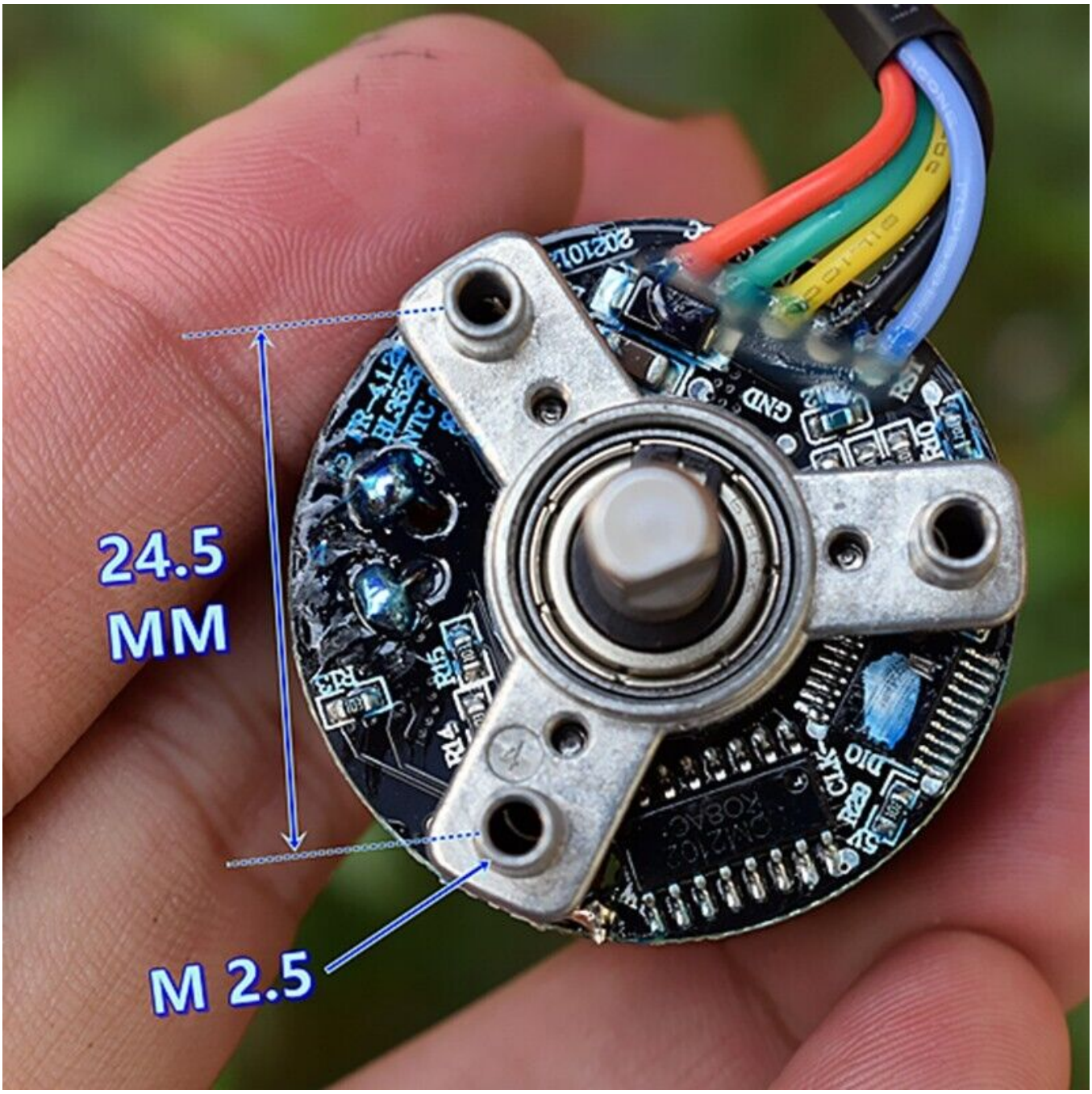
60% 2390RPM 0.17 A

80% 1840RPM 0.14 A

99% 1300RPM 0.10 A

Note: The positive and negative poles of a brushless motor are strictly prohibited from being connected in reverse. The red wire is connected to the positive pole, and the black wire is connected to the negative pole. If connected incorrectly, it will burn out the drive board.

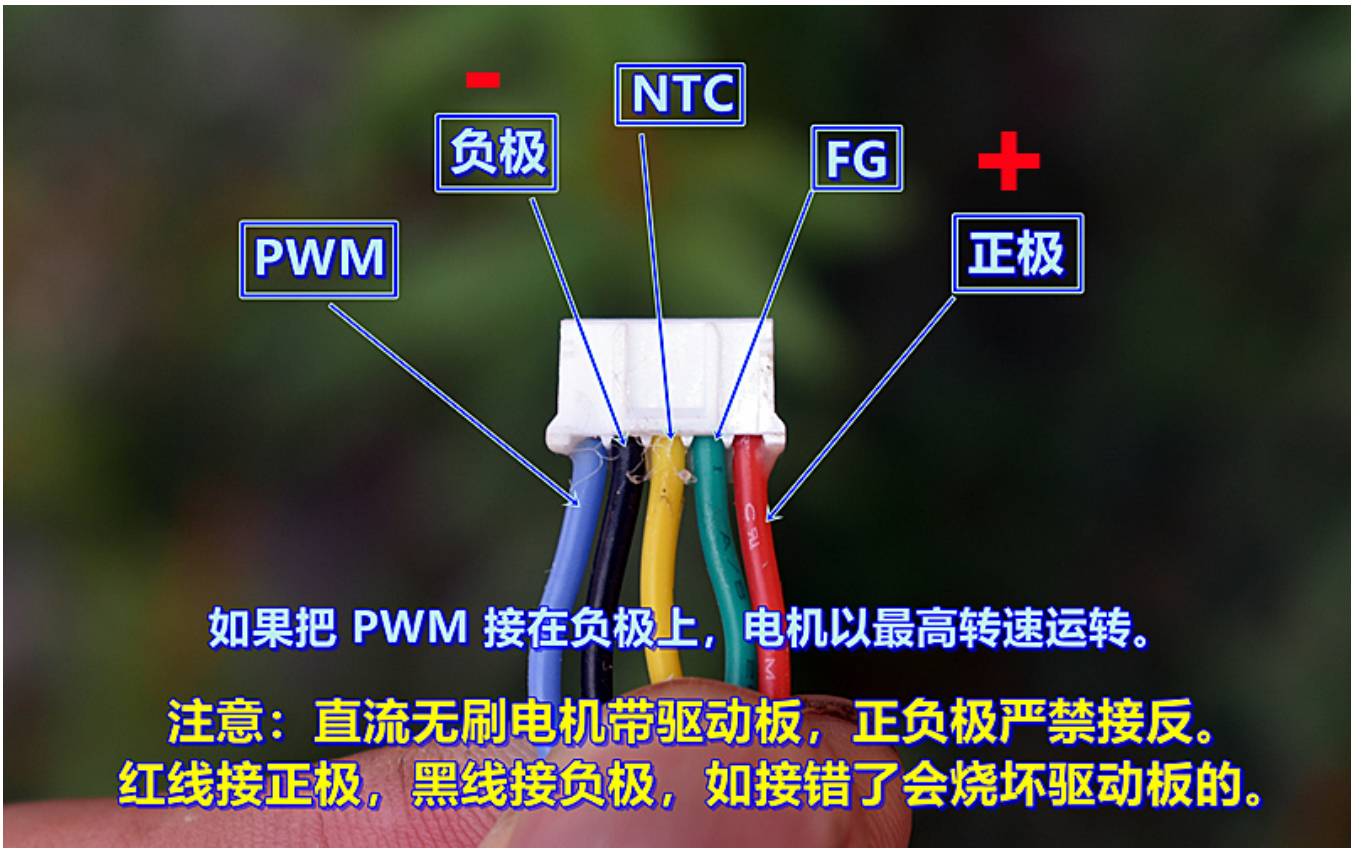

6 MM
35 MM
BL3525O-010
7.4VDC
210722E1
CDM MOTOR
12.5 MM
20.8 MM


24.5
MM
M 2.5


DUOMO


U6


DUOMO


负极
NTC
FG
PWM
正极
如果把 PWM 接在负极上，电机以最高转速运转。
注意：直流无刷电机带驱动板，正负极严禁接反。
红线接正极，黑线接负极，如接错了会烧坏驱动板的。