50A PID motor driver



Produktkode: 160aa
Tilgjengelighet: Opp til 1 mnd leveringstid
Weight: 20.00g
Custom Field 5 (Location): W2

Pris: kr. 220,00

Kort beskrivelse

50A Single H Bridge Motor Driver Module PID For Arduino intelligent car

Beskrivelse

- **Features :**

  Designed for Arduino intelligent car, the whole bridge DC brush motor drive, for hollow cup motor is very good,PID program source send by email.

  This drive brake quickly, and easy to operation. The customers evaluation that its better than the MC33886 etc.

  The driver use the whole bridge drive chip + extremely low impedance MOSFET. make the MOSFET switching losses to lowest. Improve power utilization rate. MOSFET drive chip with hardware brake function and power feedback function.

  The current shock resistance MOSFET type, resistance is 0.005 ohm, can quickly make MOSFET open channel, improve the speed of the motor curvature, also can rapid in electrical braking. This can make of car can quickly start also can quickly kill car.

  Drive can work at 0%-98% of the PWM duty cycle, because the drive is NMOS circuit, NMOS circuit features is not to 100% PWM, when PWM 100% of control circuit, long time carries out the operation can lead to drive damage.

  Performance parameters:

Rated voltage: 3 V-15 V

R1 short circuit, VCC and B + short circuit. VCC output voltage and drive the input voltage.

R1 open circuit, VCC and B + disconnect. VCC input voltage 3-12 V.

Rated current: 50 A

Current peak: 110 A

Switching frequency: 1 K to 200 kHz

Dimensions: 5.0 cm (long) * 5.0 cm (wide) * 3.1 cm (high)

V + Power Input +

GND Power Input -

EN Driver Enable, high enable, low off

RPWM Forward PWM input, high active

LPWM Reverse PWM input, active high

CT Current signal output,analog signal

VT Voltage signal output, analog signal

- **Package**

  100% Brand New

  1x Driver module