

RB-Ada-142

6V 250mA Brushed DC Motor



The 6V 250mA Brushed DC Motor is a standard '130 size' DC hobby motor. It comes with a wider operating range than most toy motors: from 4.5 to 9VDC instead of 1.5-4.5V. This range makes them perfect for controlling with an Adafruit Motor Shield, or with an Arduino where you are more likely to have 5 or 9V available than a high current 3V setting. It will fit in most electronics that already have 130-size motors installed and there's two breadboard-friendly wires soldered on already for fast prototyping.

Specifications

- Operating temperature: $-10^{\circ}\text{C} \sim +60^{\circ}\text{C}$
- Rated voltage: 6.0VDC
- Rated load: 10 g*cm
- No-load current: 70 mA (max)
- Loaded current: 250 mA (max)
- Loaded speed: 4500 ± 1500 rpm
- Starting voltage: 2.0
- Starting torque: 20 g*cm
- No-load speed: 9100 ± 1800 rpm
- Stall current: 500mA max
- Body size: 27.5mm x 20mm x 15mm
- Shaft size: 8mm x 2mm (diameter)
- Weight: 17.5g