



RB-Sbo-48

Brushed DC Motor (RM1A)

- 7400 rpm @ 4.7V
- 4g-cm torque (17 at stall)
- Shaft Diameter / Length: 1.5mm / 5.6mm
- Weight: 0.3 oz (10g)
- RoHS compliant

This is the Brushed DC Motor (RM1A). This "030" form factor motor replaces the old Mabuchi FF-030 manufacturer used to stock, and is still a good candidate for torque Solarengine and small battery-powered robots. This motor with precious-metal brushes offers pretty good performance for a flat-sided motor. Offering 7400 rpm @ 4.7V, drawing 150mA and giving 4 gm-cm torque (17 @ stall), it's very similar to the Mabuchi FF-030 it replaces.

It runs a bit longer per solarengine discharge than the old motor, and the 1.5mm output shaft is a perfect match for manufacturer's RW 10mm diameter wheels. A touch of glue, and you've got an excellent tilted wheel platform (like for Herbie robots). And if you need a friction fit, the "PRet" (Plastic retainer) press-fits on too. Wheel and retainers sold seperately.