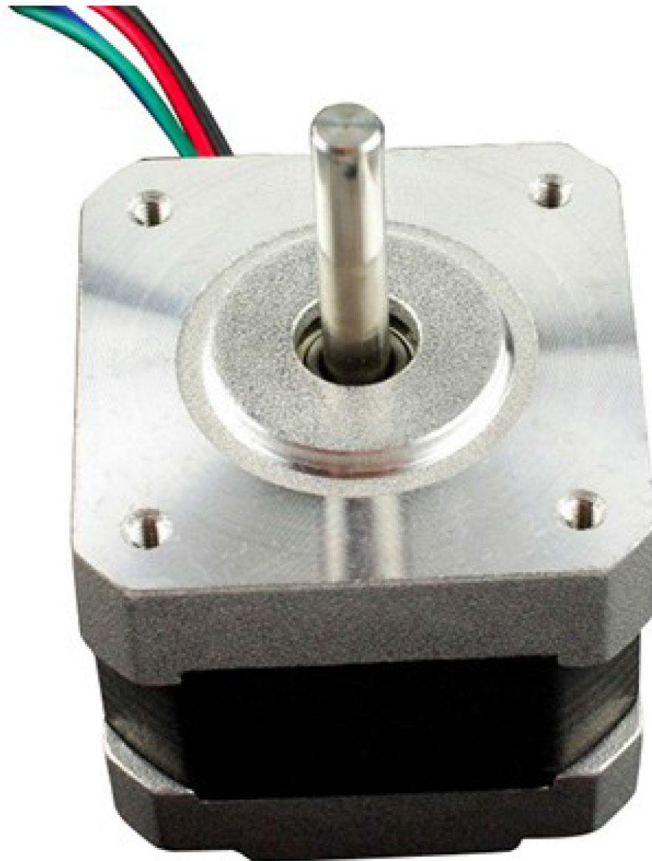


## **RB-Dfr-265**

### **Hybrid Stepper Motor for 3D Printer**



This is another customized high quality product. It is a simple 2 phases hybrid stepper motor. It features 3.5kg high torque output. It is applied in most CNC machine or 3D printer such as makerbot and ultimaker. If you want to make your own CNC or 3D printer, this motor is the most suitable one. Usually, a CNC machine requires 3 motors and a 3D Printer requires 4. It comes with 4 pin JST connector which is compatible with ultimaker control board, the cable length is 50cm.

#### **Specifications**

- Step Angle (degrees): 1.8
- 2 Phase
- Rated Voltage: 3.4V
- Current: 1.7A/PHASE
- Holding Torque: 3.5kg\*cm (48.6 oz/in)
- Detent Torque: 180g\*cm
- 5mm Diameter Drive Shaft
- Winding resistance:  $2 \pm 10\% \Omega$ /PHASE
- Winding inductance:  $2 \pm 20\% \text{mH}$ /PHASE
- Max flux linkage: 1.8 Vs
- Maximum Detent Torque: 0.016 N.M
- Total inertia (kg.m.m): 3.5 Kg.m.m
- Total friction (kg.m/s): 4 Kg.m/s
- Step Angle Accuracy:  $\pm 5\%$  (full step, no load)
- Temperature Rise: 80°C Max.(rated current,2 phase on)
- Ambient Temperature: -20°C~+50°C

- Isulation Class: B
- Life: 6000 hours
- Cable Length:50cm
- Size: 42 x 42 x 40mm
- Weight: 270 gram