SpringRC Small Servo (SM-S3317M)



The 3207 is a nice small RC servo with all metal gears, double ball bearing and produces 2.7 kg-cm of torque at 4.8V. RC servos are hobbyist remote control servos typically used in radio-controlled models, where they provide actuation for various mechanical systems such as the steering of a car, the flaps on a plane, or the rudder of a boat. These servos are not industrial grade and are not recommended for continuous heavy use.

Comes Packaged With



Product Specifications

Motor Properties

Motor Type Limited Rotation Servo Range of Rotation 180B°

Maximum Speed at Rated Voltage 375B°/s
Rated Torque 2.4 kgB·cm

Physical Properties

Gear Train Material Metal
Bearing Type Dual Ball Bearing
Motor Length 28.6 mm
Motor Width 31.1 mm
Motor Depth 16.5 mm
Wire Length 180 mm
Weight 27 g

Electrical Properties

Rated Voltage 5 V DC Rated Current (on 1061 controller) 120 mA Rated Current (on 1066 controller) 130 mA Stall Current (on 1061 controller) 900 mA

Servo Controllers

This servo motor needs to be connected to a servo controller board. If you're looking for higher torque, you should select a servo controller with an external power jack so it doesn't have to rely solely on USB power, which is limited. You can plug this servo directly to any of the boards in the list below by matching the color of the wire with the label on the board. Note that some servos have a white data wire and others have a yellow one- in both cases this wire corresponds to the ""W"" pin on the servo controllers.