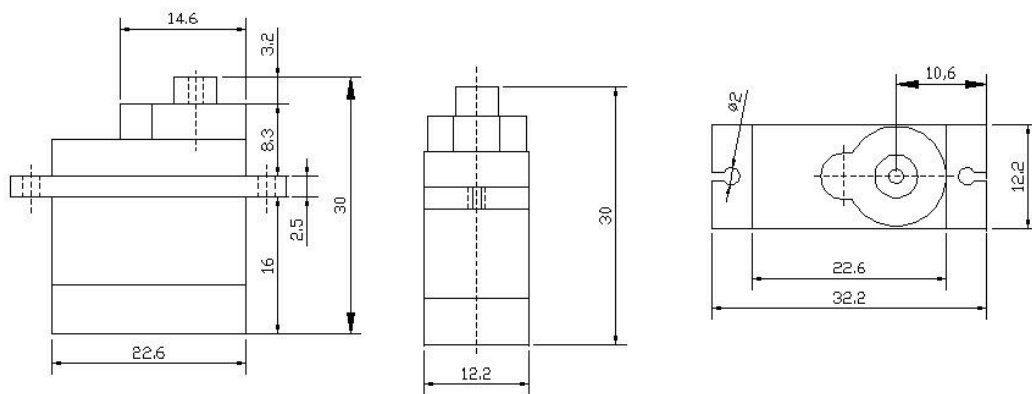


## INTRODUCTION

The DFRobot DF9GMS is a 360 degree micro servo. It uses a plastic gear drive and is light and compact. It can be used for [various applications](#) and DIY products, such as toy cars, boats, windmills etc.

A 360 degree servo's operation is more similar to a [DC motor](#) than a standard [servo](#) as only rotation direction and speed can be controlled. There is also no hardware stop inside so that the shaft can rotate freely. Compared to an ordinary DC motor, a 360-degree servo motor does not require additional [motor drivers](#) and is plug and play, compact and convenient. Arduino control methods are also the same. When the servo is operating on the 4.8 ~ 6V power supply, the torque can reach 1.2 ~ 1.6Kg x cm



## SPECIFICATION

- Operating Voltage: 3.5 - 6.0V
- Supply Voltage: 4.8V ~ 6.0V
- Dead Zone Width: 5usec
- Working Speed: 0.12sec/60 (4.8V no load)
- Stall Torque: 1.2kg/cm (4.8V), 1.6kg/cm (6.0V)
- Neutral Location: 1500us
- Interface Description:
- Brown: GND
- Red: VCC
- Orange: S
- Cable Length: 250mm
- Operating Temperature: -30°C to + 60°C
- Dimensions: 22.6 x 12.2 x 30 mm /0.89x0.48x1.18"
- Weight: 9±1g

## SHIPPING LIST

- DFRobot DF9GMS 360 Degree Micro Servo (1.6Kg) x1
- Accessories x1