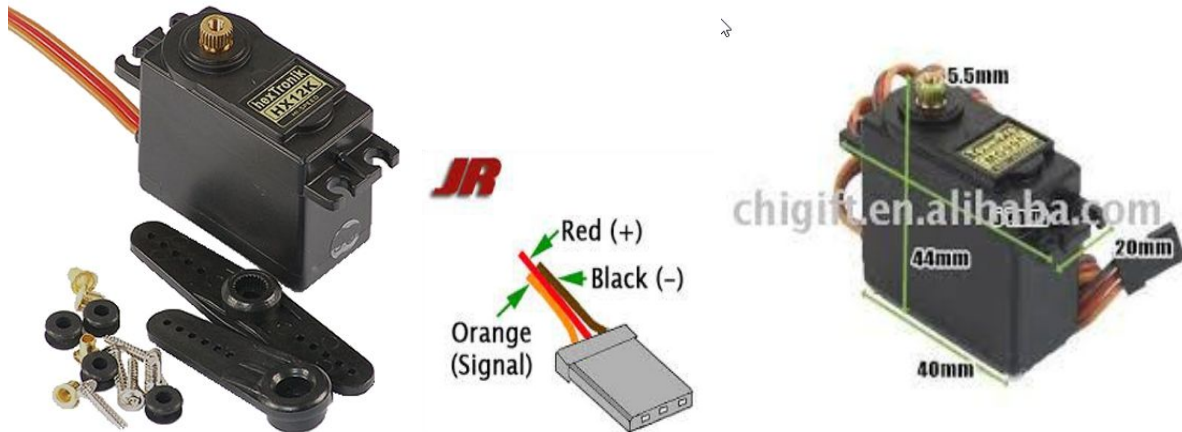


Servo Standard



Notes

HX12K Servo Standard Size

- Pulse Width Control 1500μsec Neutral
- Required Pulse : 3 - 5 Volt Peak to Peak Square Wave
- Operating Voltage : 4.8 - 7.2 Volts
- Operating Temperature Range : -20 to +60 Degree C
- Operating Speed (4.8V) : 0.20sec/60 degrees at no load
- Operating Speed (6.0V) : 0.17sec/60 degrees at no load
- Stall Torque (4.8V) : 9kg .cm
- Stall Torque (6.0V) : 11kg .cm
- Operating Angle : 45 Deg. one side pulse traveling 400μsec
- 360 Modifiable : Yes
- Direction : Clockwise/Pulse Traveling 1500 to 1900μsec
- Current Drain (4.8V) : 8.8mA/idle and 350mA no load operating
- Current Drain (6.0V) : 9.1mA/idle and 450mA no load operating
- Dead Band Width : 4μsec
- Motor Type : 3 Pole Ferrite
- Potentiometer Drive : Indirect Drive
- Bearing Type : Dual Ball Bearing
- Gear Type : All Metal Gears
- Connector Wire Length : 11.81" (300mm)
- Dimensions : 1.59" x 0.77"x 1.48" (40.6 x 19.8 x 37.8mm)
- Weight : 1.94oz . (55.2g)

| Operating Voltage: | 4.8V | 6.0V | 7.4V |
|--------------------|-------------|-------------|-------------|
| Speed: | 0.17sec/60° | 0.13sec/60° | 0.11sec/60° |
| Stall torque: | 9.4kg-cm | 11kg-cm | 13.6kg-cm |
| Stall (oz-in): | (131oz-in) | (153oz-in) | (189oz-in) |
| Idle Current: | under 20mA | under 20mA | under 20mA |
| Avg Current: | 0.65A | 0.8A | 1.0A |
| Stall Current: | 1.3A | 1.6A | 2.0A |

Internal views

