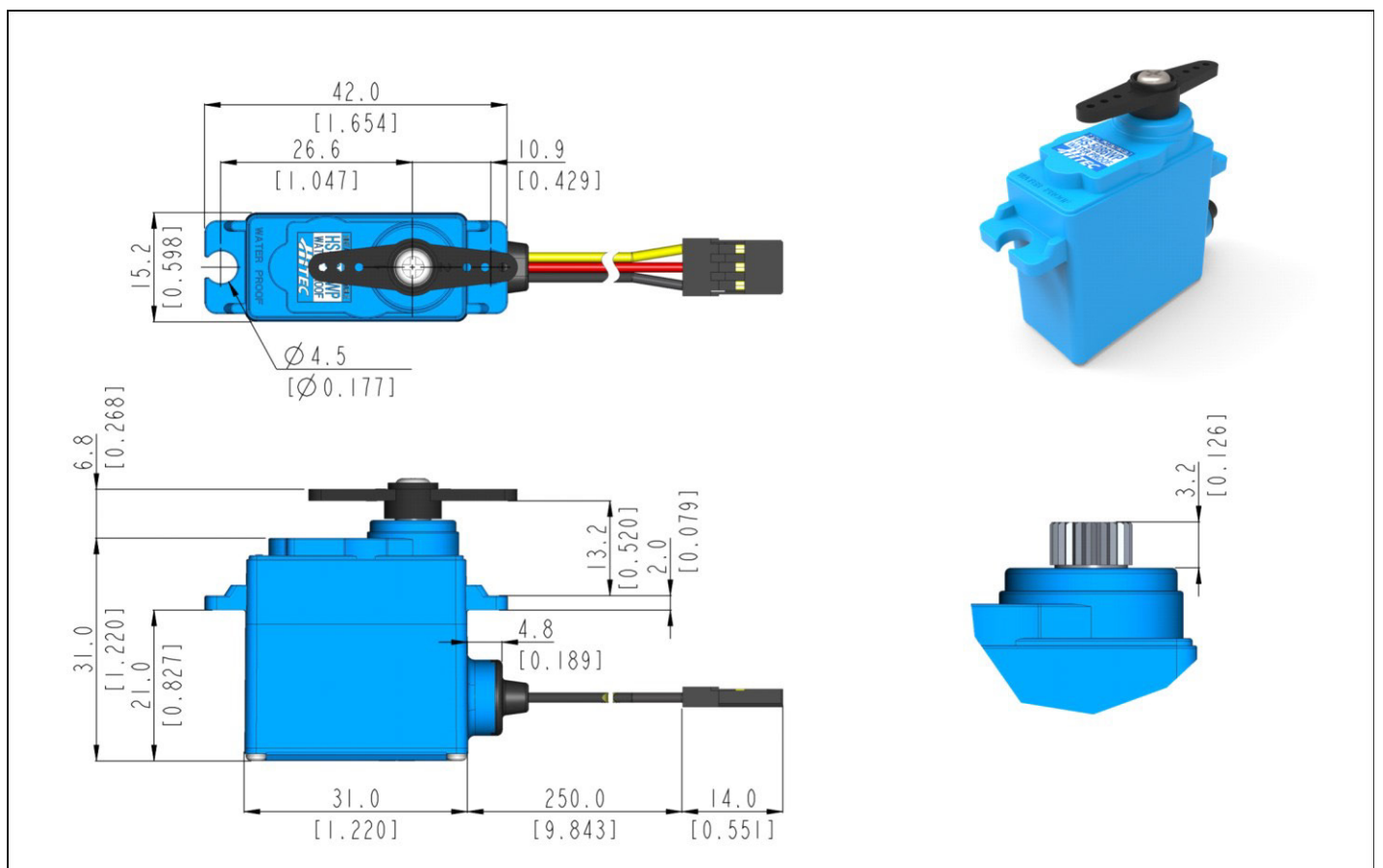


HS-5086WP General Specification.



| | | | | |
|-----------------------------|--|------------------------|---|---|
| Control System | PWM | | | - |
| Position Sensor Type | Contact Analog Potentiometer | | | - |
| Motor Type | Cored Metal Brush | | | At the Max voltage, it is recommended to be used only for a short time duration. |
| Operating Voltage Range | 3.5 ~ 8.4V | | | |
| Voltage | 4.8V | 6.0V | - | At 25°C(±10%), 45%RH(±10%) <u>measurement environment</u> |
| No Load Speed | 0.18sec/60° | 0.15sec/60° | - | |
| Stall Torque | 3.0kgf-cm (41.7 oz-in) | 3.6kgf-cm (50.0 oz-in) | - | |
| Peak Efficiency Torque | 0.6kgf-cm (8.3 oz-in) | 0.7kgf-cm (9.7 oz-in) | - | |
| Standing Current | 3mA | 3mA | - | |
| No Load Running Current | 160mA | 180mA | - | |
| Stall Current | 1,100mA | 1,400mA | - | |
| Deadband | 2μs | 2μs | - | |
| Operating Travel | Default: ±60°, Programmable: Max 175° / Pulse Width: 900~2100μs(Center:1500μs) | | | |
| Continuous Rotation | n/a | | | |
| Operating Temperature Range | -20°C ~ +60°C (-4°F ~+140°F) | | | - |
| Storage Temperature Range | -30°C ~ +80°C (-22°F ~+176°F) | | | - |
| Connector Wire Length | 250mm (9.843inch) | | |  1. SIGNAL 2. VCC 3. GND |
| Connector Wire Gauge | 24AWG | | | |
| Dimensions | 31.0mm x 15.2mm x 31.0mm (1.220inch x 0.598inch x 1.220inch) | | | General Tolerance ±0.1mm |
| Weight | 28.5g (1.005oz) | | | Excluding the weight of Horn |
| Bearing Type | 2 Ball Bearing | | | - |
| Case Material | Engineering Plastic | | | - |
| Gear Material | 5 Metal Gears | | | - |
| Gear Train Backlash | Max 0.5° | | | - |
| Horn Gear Spline | 24T(Ø6) | | | - |
| IP-Rating | IP67 | | | - |
| Servo Amplifier Type | 8bit Programmable Digital | | | - |



1:1 scale (Unit : mm[inch])

- This product should not be used directly on the human body for medical purposes.
- All specifications are subject to change without notice.



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