

Pro level hobbyists demand the power and precision found in our HSB-9485SH servo. This premium servo is designed with our durable steel gears and impressive brushless motors and immense torque.

## Features

- Programmable 12-Bit PWM Digital Amplifier
- Custom Long Life Brushless Motor
- 1M Cycle Long Life Potentiometer
- Constant Output Torque
- Wide Operating Voltage (5 ~ 9 Volts DC)
- Dual Ball Bearing Supported Output Shaft
- Dust Resistant and Splash Proof Case
- 25-Tooth Output Spline
- Nylon Reinforced Plastic Case
- Ultra Low Power Consumption

## Programmable Functions

- End Point Adjustments
- Direction
- Fail Safe
- Dead Band
- Speed (Slower)
- Soft Start Rate
- Data Save / Load
- Program Reset (From File)

## HS-9485SH Servo Specifications

| Performance Specifications         |             |
|------------------------------------|-------------|
| Operating Voltage Range (Volts DC) | 6.0V ~ 7.4V |
| Speed (Second @ 60°)               | 0.18 ~ 0.15 |
| Maximum Torque Range oz. / in.     | 361         |

|                                      |                    |
|--------------------------------------|--------------------|
| Maximum Torque Range kg. / cm.       | 26.0               |
| Current Draw at Idle                 | 30 mA              |
| No Load Operating Current Draw       | 430 mA             |
| Stall Current Draw                   | 1,100 mA           |
| Dead Band Width                      | 1 $\mu$ s          |
| <b>Physical Specifications</b>       |                    |
| Dimensions (Inches)                  | 1.57 x 0.78 x 1.45 |
| Dimensions (Metric)                  | 40.0 x 20.0 x 37.0 |
| Weight (Ounces)                      | 2.19               |
| Weight (Gram)                        | 62.0               |
| Circuit Type                         | EBL Digital        |
| Motor Type                           | Brushless          |
| Gear Material                        | Steel              |
| Bearing Type                         | Dual Ball Bearing  |
| Output Shaft (type / Ømm)            | H25T               |
| Case Material                        | Plastic            |
| Dust / Water Resistance              | Splash Proof       |
| Connector Gauge (AWG) / Strand Count | 20 / 80            |

| <b>Radio Control Applications</b> |                 |
|-----------------------------------|-----------------|
| Parkflyer                         | N / A           |
| Sport Plane                       | 30 - 40%        |
| Sailplane                         | 2 meters and up |
| 3D Performance                    | 30 - 40%        |
| Scale                             | 30 - 40%        |
| Electric Helicopter               | 700mm and up    |
| Gas Helicopter                    | 90+ Class       |
| On Road                           | 1/8th           |
| Monster Truck                     | 1/8th           |
| Buggies                           | 1/8th           |
| Truggies                          | 1/8th           |
| Short Course / Truck              | 1/8th           |
| Crawlers                          | N / A           |
| Sail Boat                         | = >1M & Scale   |
| Power Boat                        | 1/5th           |