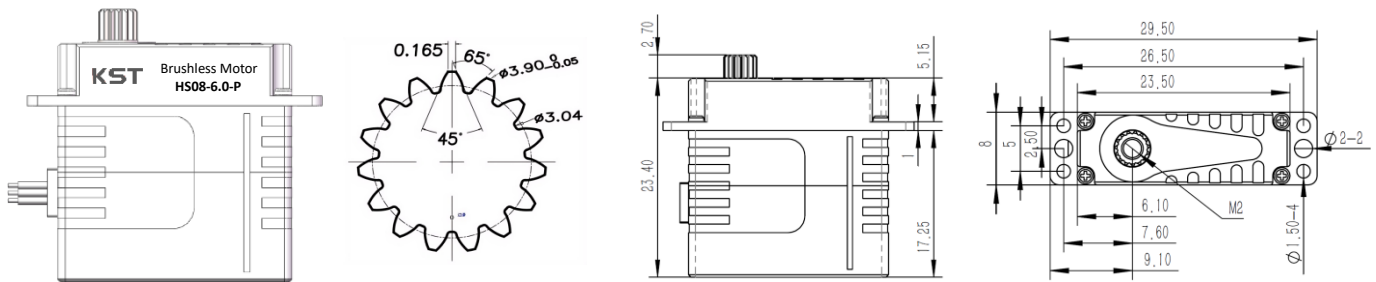


### HS08-6.0-P Technical Specification

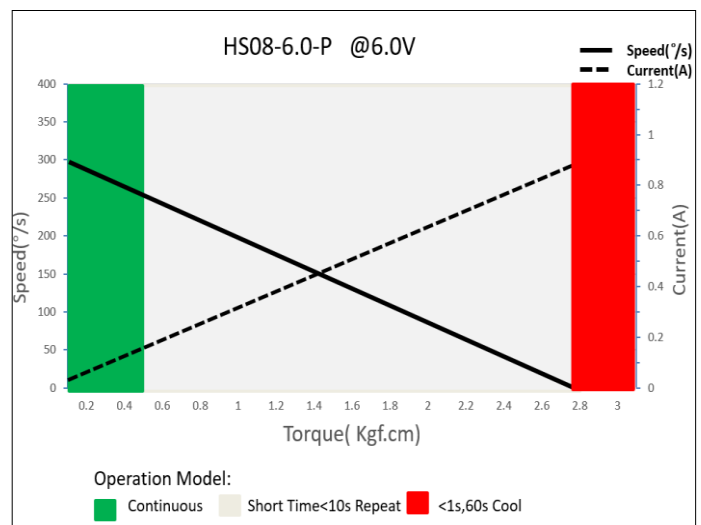


15T 4mm Output Shaft Spline

#### 1. Servo Data

Rated Voltage	DC6.0V
Voltage Range	DC4.8V-8.4V
Stalling Torque	2.0Kgf.cm@4.8V
	2.8Kgf.cm@6.0V
	4.0Kgf.cm@7.4V
Rated Torque	0.5Kgf.cm@6.0V
Stalling Current	0.85A@6.0V
Rated Current	0.25A@6.0V
No-load Speed	0.23sec/60°@4.8V
	0.18sec/60°@6.0V
	0.14sec/60°@7.4V
Rated Speed	0.23sec/60°@6.0V
Default Travel Angle	±50° = 100° Total travel
Operating Temperature	-30℃ .....+65℃
Case Material	Aluminum Alloy
Motor Type	Brushless DC Motor
Gear Set Material	Hardened Steel
Position Sensor	Potentiometer
Ball Bearing	2BB
Case Dimensions	23.5*8*23.4mm±0.2mm
Weight	11g ±10%

#### 2. Performance

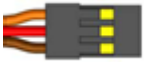


#### 3. Command Signal

##### PWM Command Interface

Signal Voltage	HIGH:min.3.3V,max.5.0V Low:min.0.0V,max.1.5V
Pulse Lengths	9000us-2100us
Pulse Lengths for Position	1000us/1500us/2000us -50°/ 0°/+50°

#### 4. Electrical Connection

 3 2 1	Pin Assignment		
	1	Orange	PWM
	2	Red	DC+
	3	Brown	DC-
			PWM Command Signal
			Supply Voltage
			Supply Ground, Signal Ground