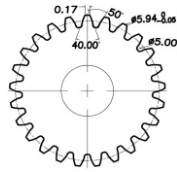
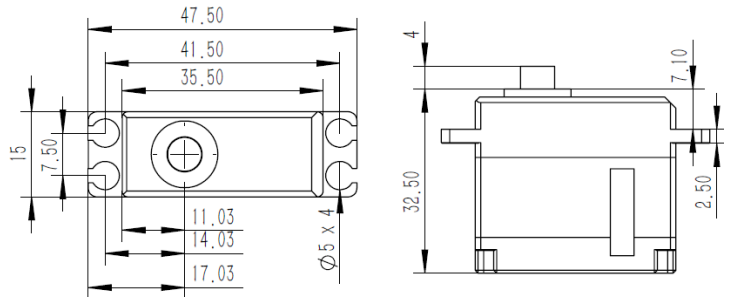


### BLS505X Technical Specification



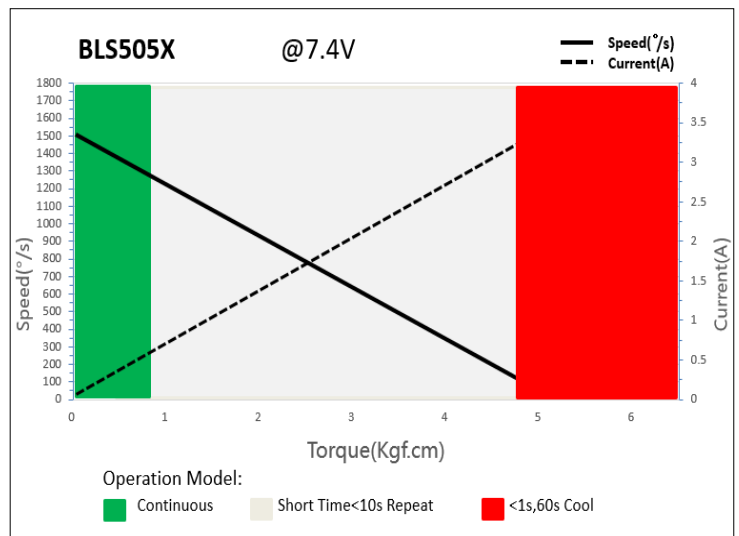
25T 6mm Output Shaft Spline



#### 1. Operating Data

Rated Voltage	DC7.4V
Voltage Range	DC6.0V-8.4V
Stalling Torque	3.8Kgf.cm@6.0V
	4.8Kgf.cm@7.4V
	5.5Kgf.cm@8.4V
No-load Speed	0.05sec/60°@6.0V
	0.04sec/60°@7.4V
	0.03sec/60°@8.4V
Working	760us/560Hz
Temperature	-20°C.....+65°C
Soft Start	Programmable
Programmable	Yes
Case Material	Aluminum Alloy
Motor Type	Brushless DC Motor
Gear Set Material	Hardened Steel
Position Sensor	Potentiometer
Case Dimensions	35.5*15*32.5mm±0.2mm
Weight	40g±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	450us-4050us
Working Frequency	760us/560Hz

#### 4. Electrical Connection

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