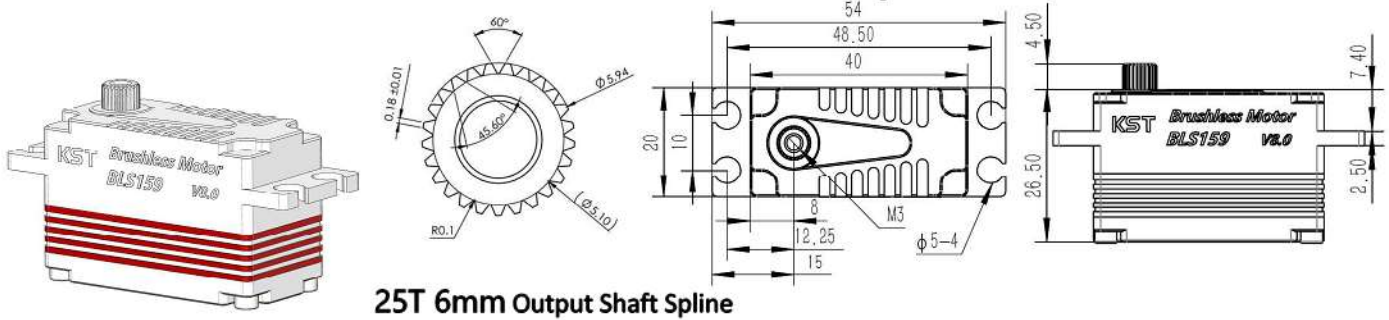


### BLS159 V8.0 with Soft Start Technical Specification

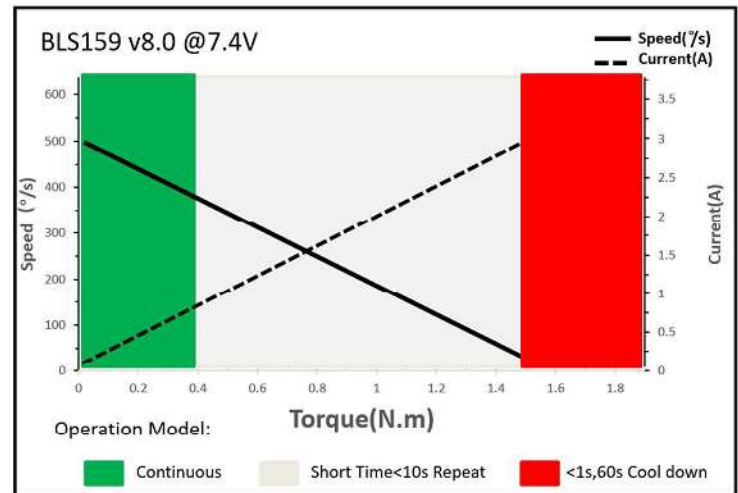


25T 6mm Output Shaft Spline

## 1. Operating Data

	<b>BLS159 V8.0</b>
Rated Voltage	DC7.4V
Voltage Range	DC6.0V-8.4V
Stalling Torque	1.5N.m@7.4V
Rated Torque	0.4N.m@7.4V
Stalling Current	3.85A
Rated Current	0.65A
No-load Speed	0.11sec/60°@7.4V
Rated Speed	0.15sec/60°@7.4V
Working Frequency	1520us/333Hz
Default Travel Angle	±50°=100° Total
Temperature Range	-20°C .....+65°C
Case Material	Aluminum Alloy
Motor Type	Brushless DC Motor
Gear Set Material	Hardened Steel
Position Sensor	Potentiometer
Case Dimensions	40mm*20mm*26.5mm±0.2mm
Weight	55g±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	900us-2100us
Pulse Lengths for Position	1000us/1500us/2000us -50%/ 0%/+50°

## 4. Electrical Connection

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