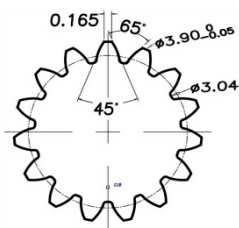
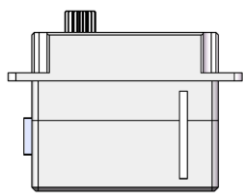
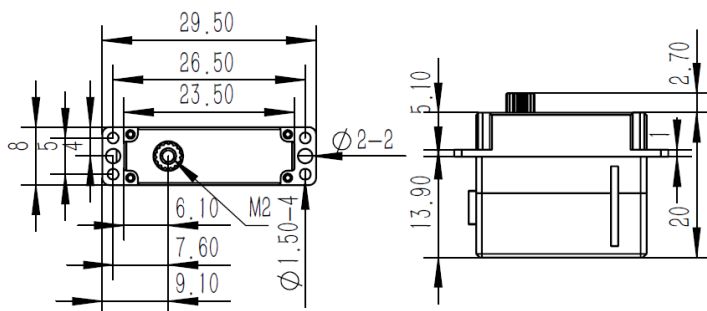


HS08S Technical Specification



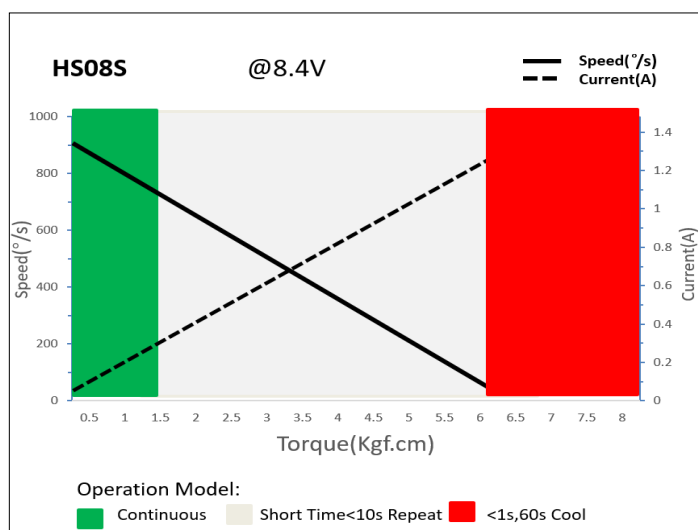
15T 4mm Output Shaft Spline



1. Servo Data

Rated Voltage	DC6.0V
Voltage Range	DC6.0V-8.4V
Stalling Torque	4.0Kgf.cm@6.0V
	5.0Kgf.cm@7.4V
	6.0Kgf.cm@8.4V
Rated Torque	1.00Kgf.cm@6.0V
	1.25Kgf.cm@7.4V
	1.50Kgf.cm@8.4V
Stalling Current	1.05A@6.0V
	1.25A@7.4V
	1.35A@8.4V
Rated Current	0.20A@6.0V
	0.25A@7.4V
	0.30A@8.4V
No-load Speed	0.090sec/60°@6.0V
	0.072sec/60°@7.4V
	0.065sec/60°@8.4V
Rated Speed	0.13sec/60°@6.0V
	0.10sec/60°@7.4V
	0.09sec/60°@8.4V
Working Frequency	1500us/20KHz
Default Travel Angle	±50° = 100° Total travel
Temperature Range	-30°C.....+65°C
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*20mm±0.2mm
Weight	9g±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	White	Signal	PWM Command
2	Red	DC+	Supply Voltage
3	Black	DC-	Supply Ground