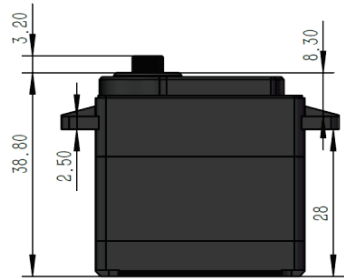
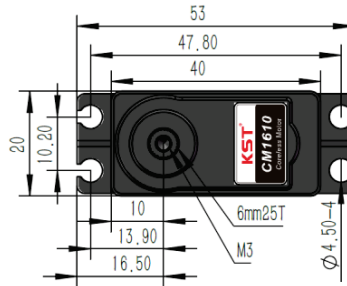
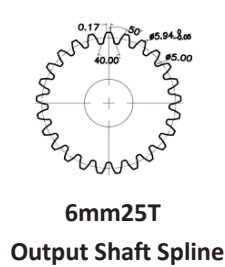
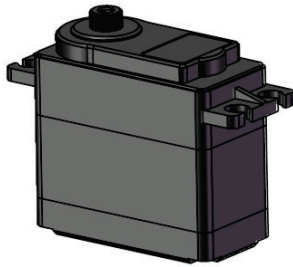


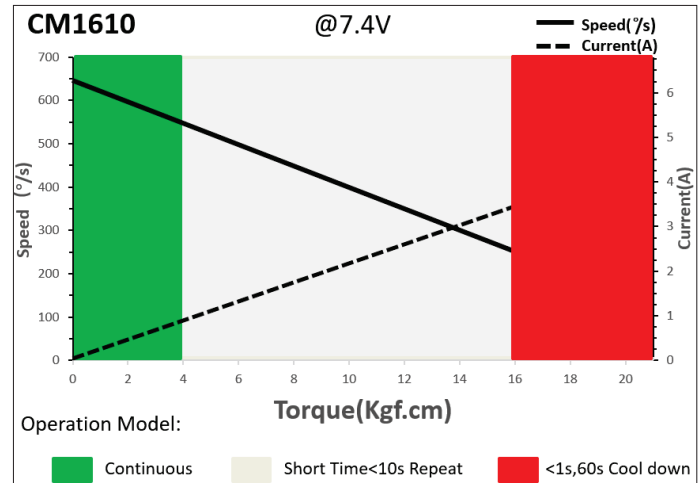
CM1610 Technical Specification



1. Operating Data

Rated Voltage	DC7.40V
Voltage Range	DC4.8V-8.4V
Torque	10.5Kgf.cm@4.8V
	12.5Kgf.cm@6.0V
	16.0Kgf.cm@7.4V
	18.0Kgf.cm@8.4V
Speed	0.13sec/60°@4.8V
	0.11sec/60°@6.0V
	0.10sec/60°@7.4V
	0.09sec/60°@8.4V
Stalling Current	3.10A@4.8V
	3.80A@6.0V
	4.60A@7.4V
	5.50A@8.4V
Working Frequency	1520us/333Hz
Default Travel Angle	±50° =100° Total
Temperature Range	-10°C.....+65°C
Soft Start	Programmable
Programmable	Yes
Motor Type	Coreless Motor
Case Material	Plastic
Gear Set Material	Metal Gear
Position Sensor	Potentiometer
Ball Bearing	2BB
Case Dimensions	40*20*38.8mm±0.2mm
Weight	60g±10%

2. Performance



3. PWM Command signal

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

5. Servo Arm_P0625.22

