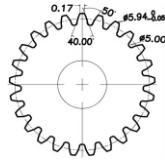
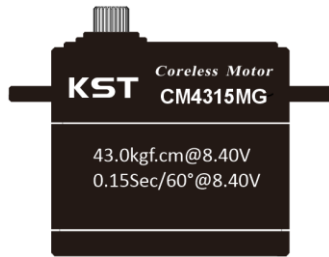
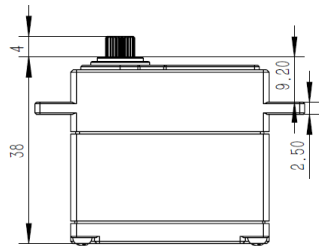
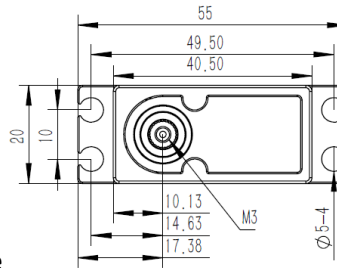


CM4315MG Technical Specification



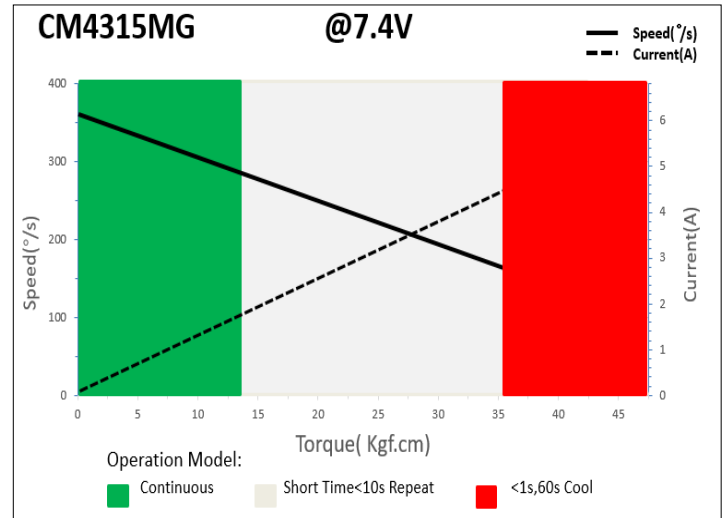
6mm25T Output Shaft Spline



1. Operating Data

Rated Voltage	DC7.4V
Voltage Range	DC4.8V-8.4V
Torque	25Kgf.cm@4.8V
	30Kgf.cm@6.0V
	36Kgf.cm@7.4V
	43Kgf.cm@8.4V
Speed	0.23sec/60°@4.8V
	0.19sec/60°@6.0V
	0.16sec/60°@7.4V
	0.15sec/60°@8.4V
Start Current	3.00A@4.8V
	3.90A@6.0V
	4.80A@7.4V
	5.05A@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 DC Motor
Case Material	Aluminum Alloy
Gear Set Material	Hardened Steel
Position Sensor	Potentiometer
Ball Bearing	2BB
Waterproof	IP65
Case Dimensions	40.5*20*38mm±0.2mm
Weight	70g±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