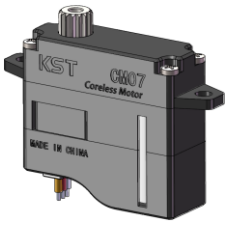
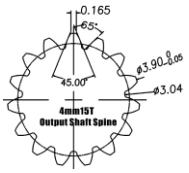
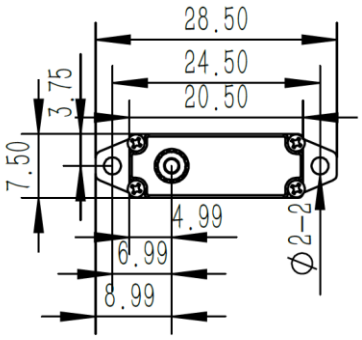
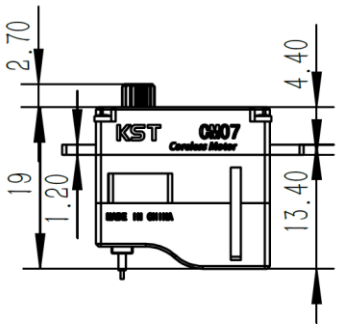
CM07 Technical Specification





4mm 15T Output Shaft Spline

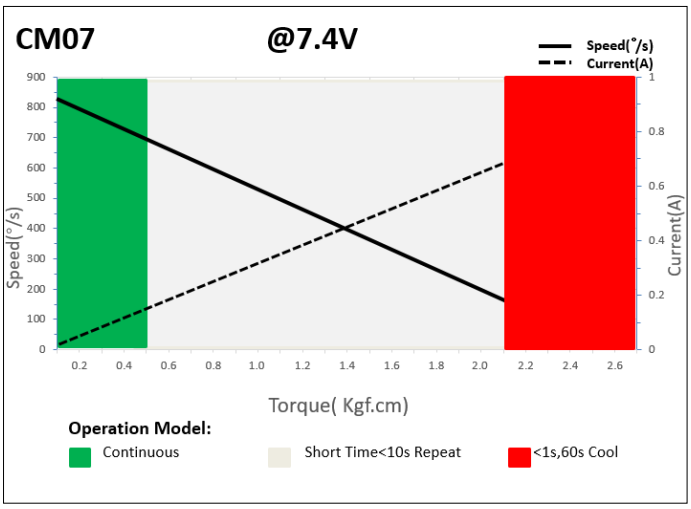




1. Operating Data

CM07	
Rated Voltage	DC7.4V
Voltage Range	DC3.5V-8.4V
Torque	1.10Kgf.cm@3.5V
	1.40Kgf.cm@4.2V
	1.80Kgf.cm@6.0V
	2.10Kgf.cm@7.4V
	2.40Kgf.cm@8.4V
Speed	0.14sec/60°@3.5V
	0.11sec/60°@4.2V
	0.08sec/60°@6.0V
	0.07sec/60°@7.4V
	0.06sec/60°@8.4V
Working Frequency	1520us/333Hz
Default Travel Angle	±60° = 120° Total
Temperature Range	-10℃.....+65℃
Case Material	Plastic
Motor Type	Coreless DC Motor
Gear Set Material	Hardened Steel
Position Sensor	Potentiometer
Ball Bearing	2BB
Case Dimensions	20.5*7.5*19mm±0.2mm
Weight	7g±10%

2. Performance

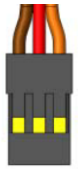


3. Command signal

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 -60°/ 0°/+60°

4. Electrical Connection



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

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