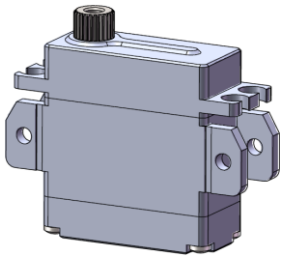
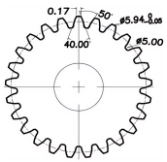
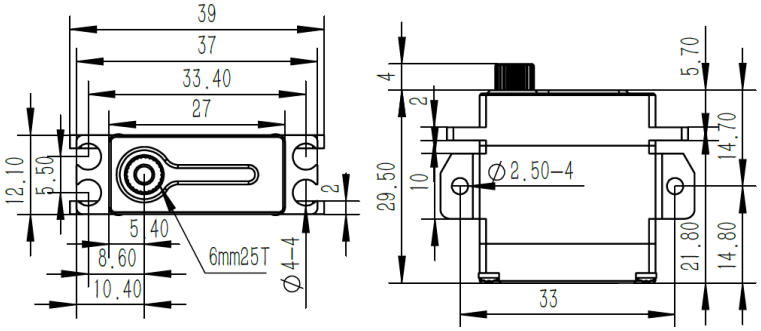
CM12 Technical Specification





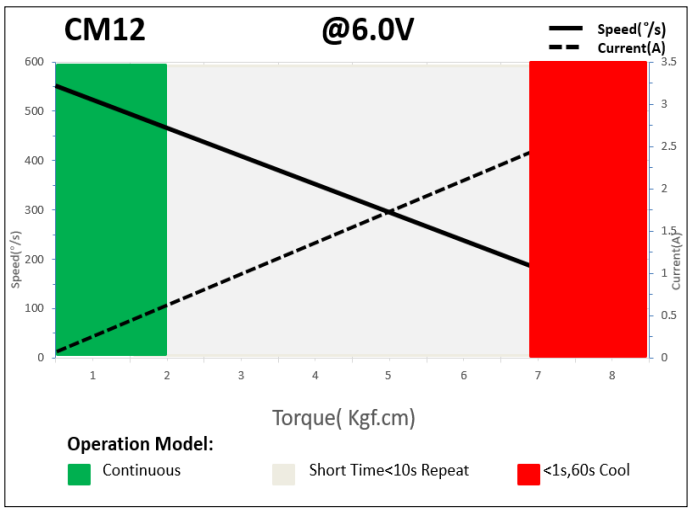
6mm25T Output Shaft Spline



1. Operating Data

Rated Voltage	DC6.0V
Voltage Range	DC3.7V-8.4V
Torque	3.80Kgf.cm@3.7V
	4.80Kgf.cm@4.2V
	5.80Kgf.cm@6.0V
	6.80Kgf.cm@7.4V
	7.50Kgf.cm@8.4V
Speed	0.16sec/60°@3.7V
	0.13sec/60°@4.2V
	0.10sec/60°@6.0V
	0.09sec/60°@7.4V
	0.08sec/60°@8.4V
Working Frequency	1520us/333Hz
Default Travel Angle	±50° = 100° Total
Temperature Range	-10℃.....+65℃
Case Material	Aluminum Alloy+ Plastic
Motor Type	Coreless DC Motor
Gear Set Material	Hardened Steel
Position Sensor	Potentiometer
Ball Bearing	2BB
Case Dimensions	27*12.1*29.5mm±0.2mm
Weight	22g±10%

2. Performance

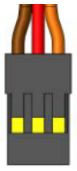


3. Command signal

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	PWM Command
2	Red	DC+ Supply Voltage
3	Brown	DC- Supply Ground

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