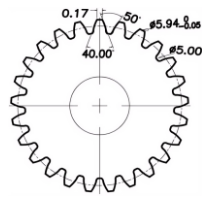
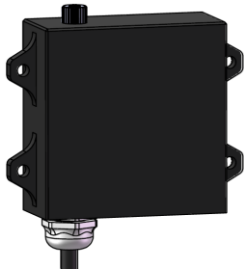
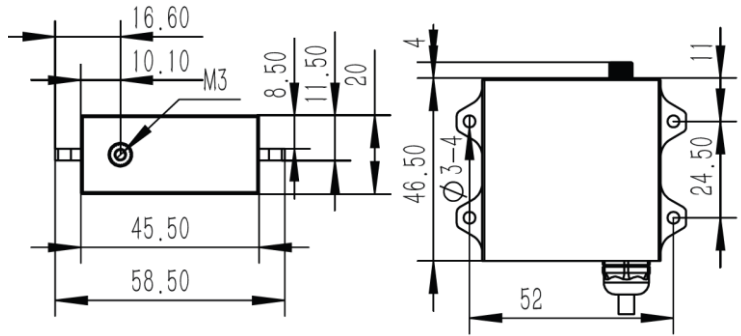


### D10WP-12 Technical Specification



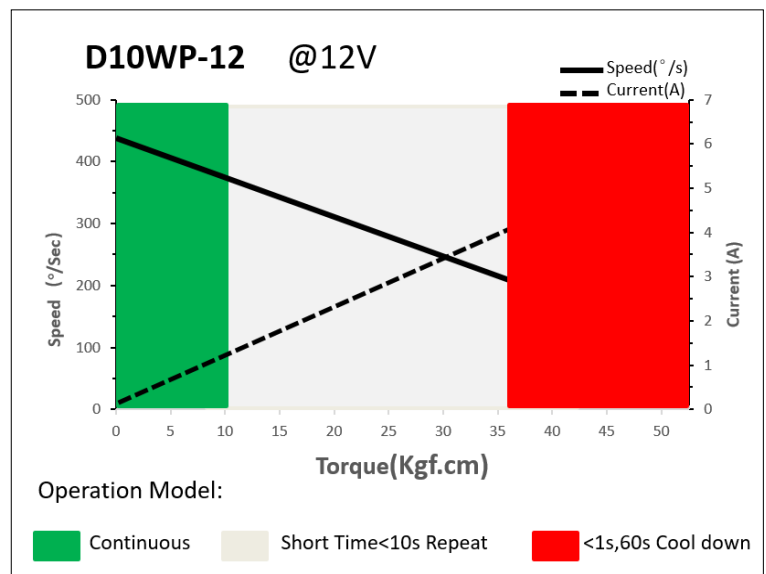
25T- 6mm Output Shaft Spline



#### 1. Operating Data

Rated Voltage	DC12.0V
Voltage Range	DC8.40V-13.0V
Stalling Torque	36Kgf.cm@12.0V
Rated Torque	10Kgf.cm@12.0V
Stalling Current	4.00A
Rated Current	1.60A
No-load Speed	425°/Sec
Rated Speed	300°/Sec
Working Frequency	1520us/333Hz
Default Travel Angle	± 100°=200°Total
Temperature Range	-10°C.....+65°C
Case Material	Aluminum Alloy
Motor Type	4Pole Brushless DC Motor
Gear Set Material	Hardened Steel
Position Sensor	Potentiometer
Ball Bearing	2BB
Waterproof level	underwater 30M
Case Dimensions	45.5*20*46.5 mm ±0.2mm
Weight	130g±10%

#### 2. Performance



#### 3. PWM Command signal

Signal Voltage	TTL-level: HIGH: min.3.3V, max.5.0V Low: min.0.0V, max.1.5V
Pulse Lengths	500us-2500us
Pulse Lengths for Position	500us/1500us/2500us -100°/ 0°/+100°

#### 4. Electrical Connector (Open Leads. Length=50cm)

	Pin Assignment		Mark Color
	1	DC+	Red
	2	DC-	Black
	3	PWM Signal	Yellow
	4	Feedback (Options)	Green