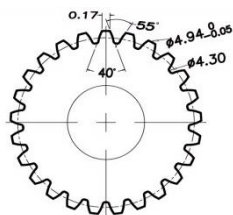
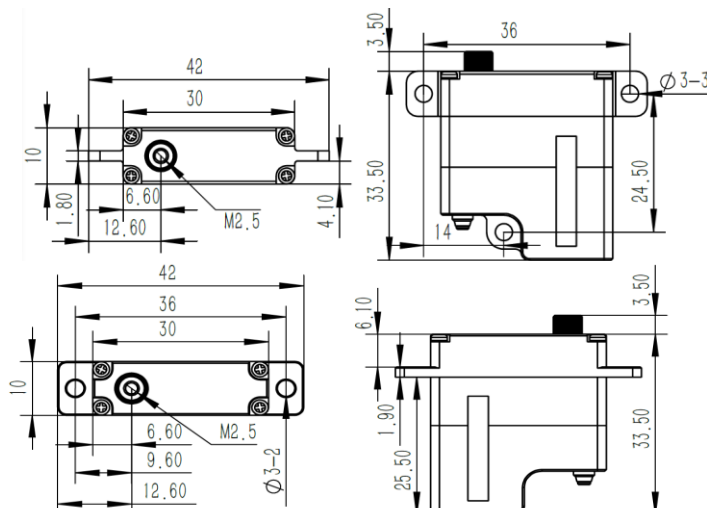


SV10-12A&B Technical Specification



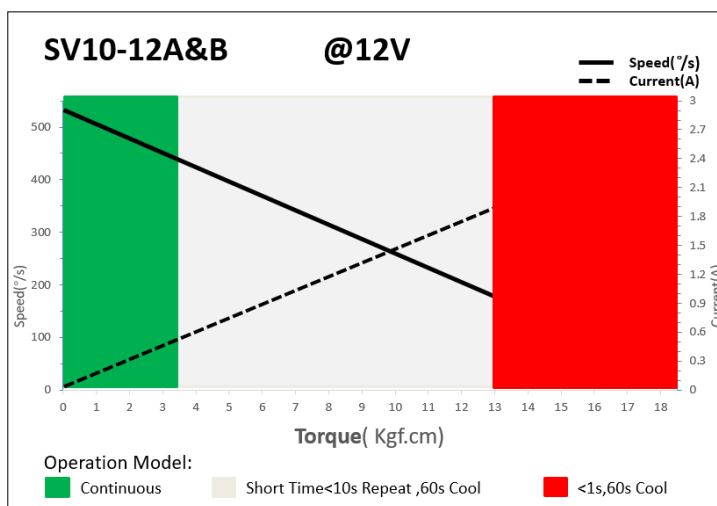
25T- 5mm
Output Shaft Spline



1. Operating Data

Rated Voltage	DC12.0V
Voltage Range	DC8.40V-13.0V
Torque	11.0Kgf.cm@8.40V
	13.0Kgf.cm@12.0V
	14.0Kgf.cm@13.0V
Speed	0.15sec/60°@8.40V
	0.11sec/60°@12.0V
	0.10sec/60°@13.0V
Working Frequency	1520us/333Hz
Default Travel Angle	±60° = 120° Total
Temperature Range	-10°C.....+65°C
Soft Start	Programmable
Programmable	Yes
Case Material	Aluminum Alloy
Motor Type	Coreless DC Motor
Gear Set Material	Hardened Steel
Position Sensor	Potentiometer
Case Dimensions	30*10*33.5mm±0.2mm
Weight	25g±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 -50°/ 0°/+50°	1000us/1500us/2000us

4. Electrical Connection

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