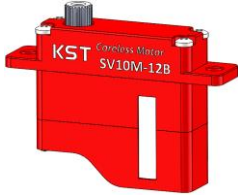


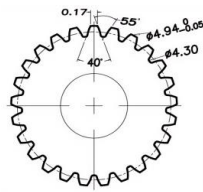
SV10M-12A&B Technical Specification



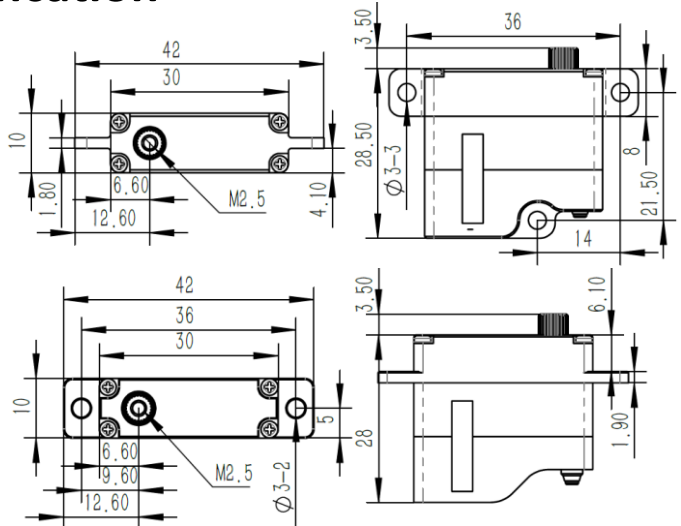
SV10M-12A



SV10M-12B



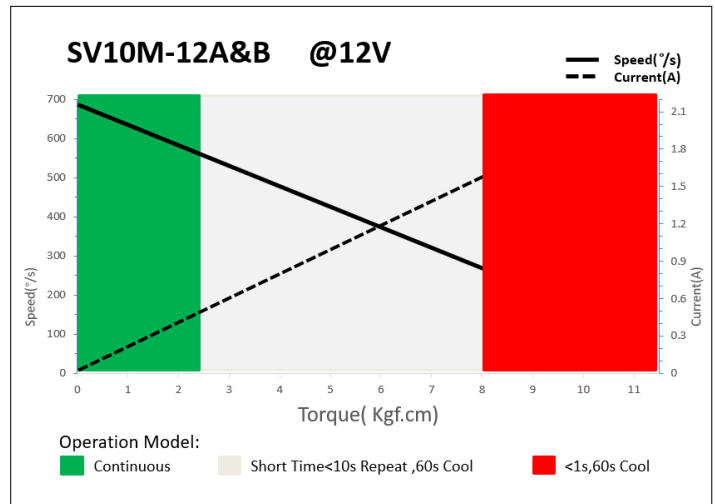
25T-5mm
Output Shaft Spline



1. Operating Data

Rated Voltage	DC12.0V
Voltage Range	DC8.4V-12.0V
Torque	6.5Kgf.cm@8.40V
	8.0Kgf.cm@12.0V
	9.0Kgf.cm@13.0V
Speed	0.15sec/60°@8.40V
	0.12sec/60°@12.0V
	0.11sec/60°@13.0V
Working	1520us/333Hz
Default Travel	±60° = 120° Total
Temperature	-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	12A: 30*10*28.5mm±0.2mm
	12B: 30*10*28.0mm±0.2mm
Weight	20g±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

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