

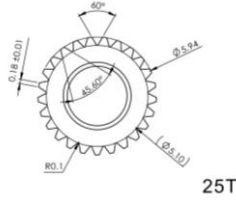
HV95 Technical Specification



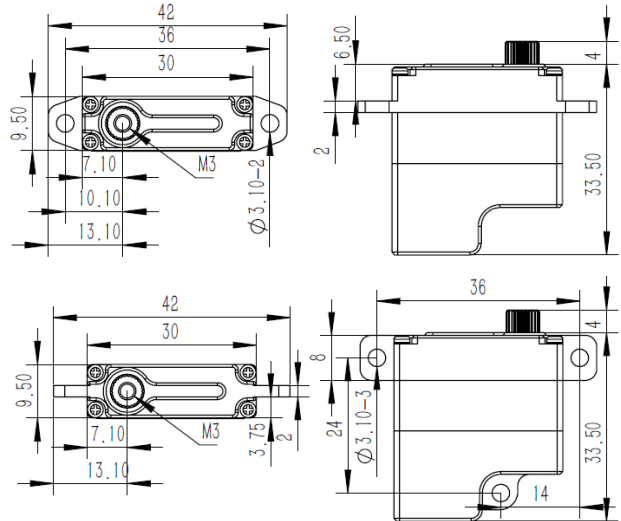
HV95



HV95H



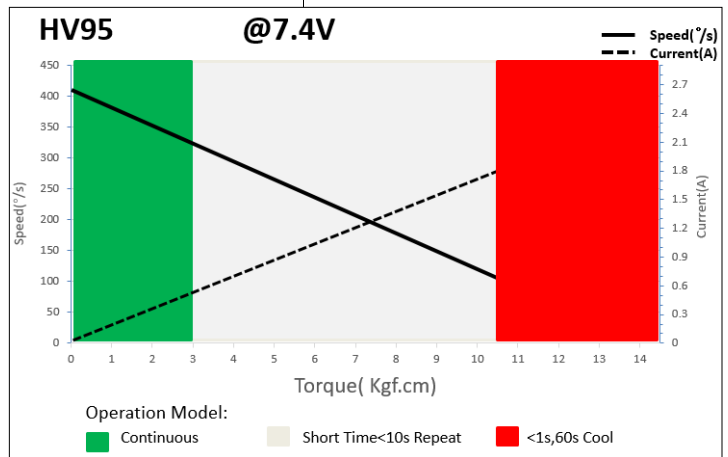
25T-6mm
Output Shaft Spline



1. Operating Data

Rated Voltage	DC7.4V
Voltage Range	DC4.8V-8.4V
Torque	6.5Kgf.cm@4.8V
	8.5Kgf.cm@6.0V
	10.5kgf.cm@7.4V
	11.5Kgf.cm@8.4V
Speed	0.21sec/60°@4.8V
	0.17sec/60°@6.0V
	0.15sec/60°@7.4V
	0.12sec/60°@8.4V
Stalling Current	0.90A@4.8V
	1.16A@6.0V
	1.32A@7.4V
	1.58A@8.4V
Working Frequency	1520us/333Hz
Default Travel Angle	±50° =100° 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
Ball Bearing	2BB
Case Dimensions	30*9.5*33.5±0.2(mm)
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 -50°/0°/+50°	1000us/1500us/2000us

4. Electrical Connection

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