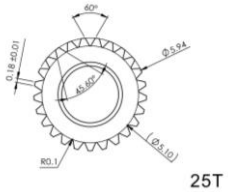
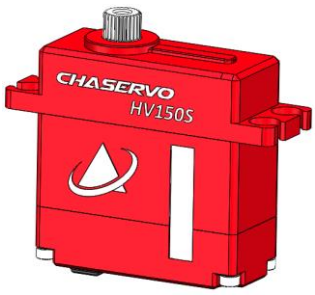
HV150S Technical Specification

1. Specification





Operating Voltage: DC7.4V.

Operating Voltage Range: DC4.8V-8.4V.

Working Frequency: 1520us/333Hz.

Pulse Lengths: 900us-2100us.

Default Travel Angle: ±50° =100° total travel/1000us-2000us.

Max. Travel Angle: ±60° =120° total travel/900us-2100us.

Signal Voltage： HIGH: min.3.3V, max.5.0V / Low: min.0.0V, max.1.5V.

Pulse Lengths for Position：900us/1500us/2100us（-60° /0° /+60° ）.

Operating Temperature Range: -10℃……+65℃.

Dimensions: 35.5*15*36.5mm±0.2mm.

Weight: 45g±10%.

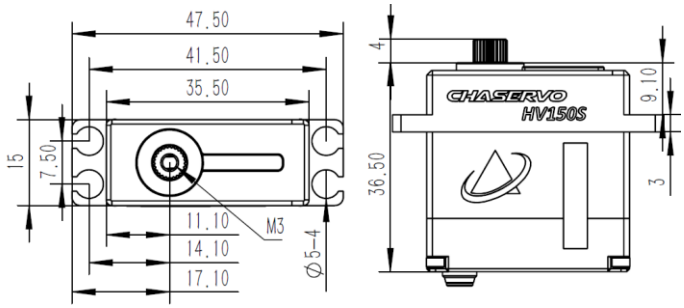
Case Material: Aluminum Alloy.

Motor Type: Brushless DC Motor.

Gear Set Material: Hardened Steel .

Position Sensor: Potentiometer.

Ball Bearing: 2BB.



Voltage	Holding Torque	Output Torque	No-load Speed	Stalling Current
4.8V	10.0Kgf.cm	6.00Kgf.cm	0.079sec/60°	3.25A
6.0V	12.5Kgf.cm	7.50Kgf.cm	0.061sec/60°	4.25A
7.4V	15.0Kgf.cm	9.00Kgf.cm	0.050sec/60°	5.32A
8.4V	16.5Kgf.cm	10.0Kgf.cm	0.043sec/60°	5.68A

2. Electrical Connection



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

3. Performance

