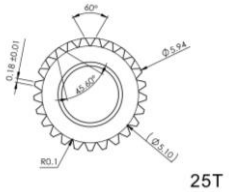
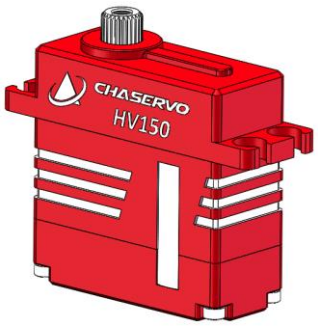
HV150 Technical Specification

1. Specification





Operating Voltage: DC7.4V.

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

Working Frequency: 1520us/333Hz.

Pulse Lengths: 500us-2500us.

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

Max. Travel Angle: ±100° =200° total travel/500us-2500us.

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

Pulse Lengths for Position： 500us/1500us/2500us（-100° /0° /+100° ）.

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

Dimensions: 35.5*15*36.5mm±0.2mm.

Weight: 51g

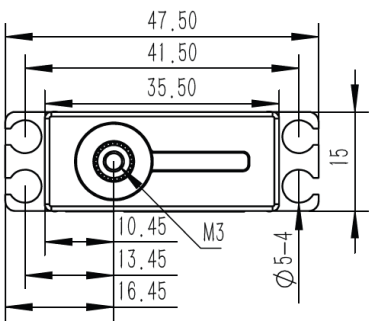
Case Material: Aluminum Alloy.

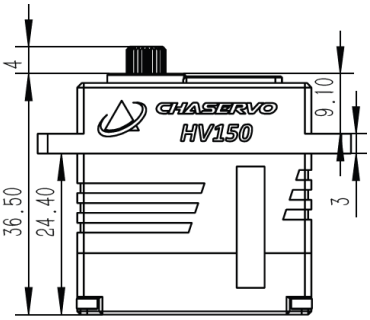
Motor Type: Brushless DC Motor.

Gear Set Material: Hardened Steel .

Position Sensor: Potentiometer.

Ball Bearing: 2BB.





Voltage	Holding Torque	Output Torque	No-load Speed	Stalling Current
4.8V	20Kgf.cm	12Kgf.cm	0.15sec/60°	3.25A
6.0V	25Kgf.cm	15Kgf.cm	0.12sec/60°	4.25A
7.4V	30Kgf.cm	18Kgf.cm	0.10sec/60°	5.32A
8.4V	33Kgf.cm	20Kgf.cm	0.09sec/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

