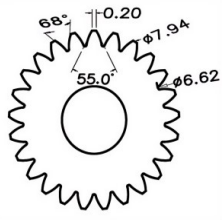
HV8515 Technical Specification

1. Specification



Operating Voltage : DC7.40V.

Operating Voltage Range : DC6.00V-8.40V.

Working Frequency : 1520us/333Hz.

Pulse Lengths: 500us-2500us.

Operating Temperature Range: -20℃……+65℃.

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°) .

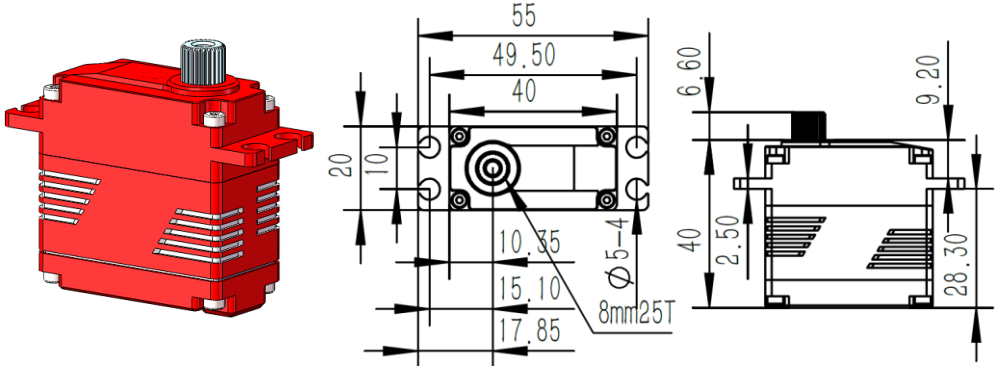
Dimensions: 40mm*20mm*40mm(±0.2mm). Weight: 72g±10%.

Case Material: Aluminum Alloy. Motor Type: Brushless DC Motor.

Gear Set Material: Hardened Steel. Position Sensor: Contactless.

Ball Bearing: 6BB.

Voltage	Holding Torque	Output Torque	No-load Speed	Stalling Current
6.00V	75Kgf.cm	38Kgf.cm	0.18sec/60°	7.50A
7.40V	85Kgf.cm	43Kgf.cm	0.15sec/60°	8.85A
8.40V	88Kgf.cm	45Kgf.cm	0.13sec/60°	10.15A



2. Electrical Connection (length=50mm)



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

3. Performance

