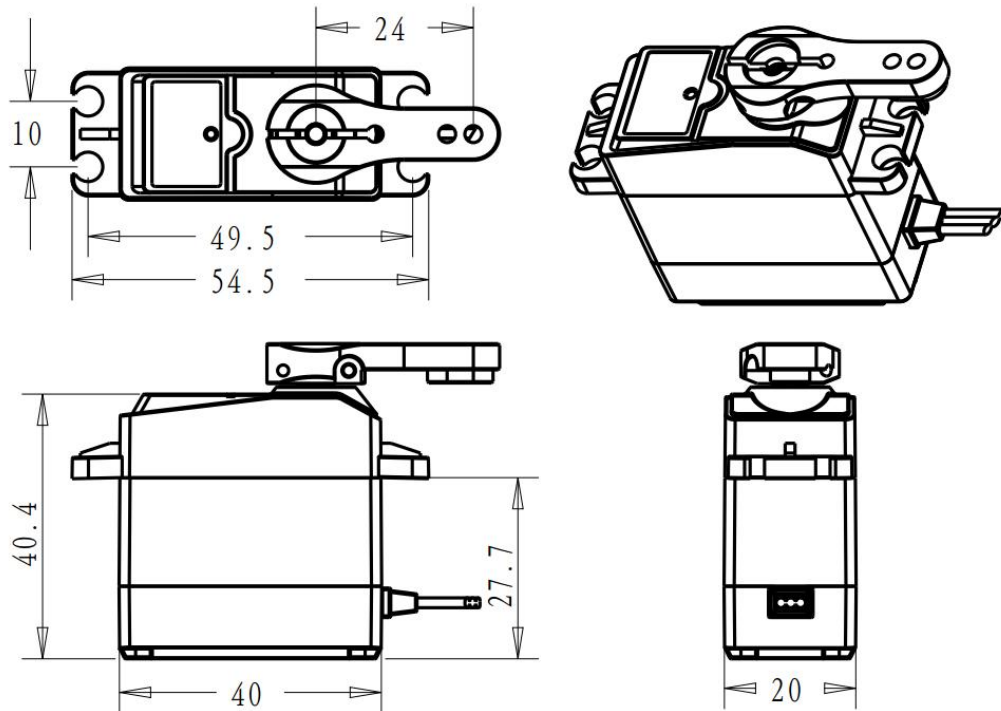




- 1.Product Name: DS3218 PRO (Red)
- 2.Product Description: 6V 20kg High Speed Servo
- 3.Drawing



4.Apply Environmental Condition

No.	Item	Specification
4-1	Storage Temperature Range	-30℃～80℃
4-2	Operating Temperature Range	-25℃～70℃
4-3	Operating Voltage Range	4.8-6.8V

5.Mechanical Specification

No.	Item	Specification
5-1	Size	40*20*40.5mm
5-2	Weight	60g
5-3	Gear ratio	221
5-4	Bearing	Double bearing
5-5	Connector wire	300±5mm
5-6	Motor	3-pole
5-7	Waterproof performance	IP66



6.Electrical Specification

No.	Operating Voltage	5V	6.8V
6-1	Idle current(at stopped)	4mA	5mA
6-2	Operating speed (at no load)	0.12 sec/60°	0.1 sec/60°
6-3	Stall torque (at locked)	21 kg-cm	23.5 kg-cm
6-4	Stall current (at locked)	2.1A	2.9A

7.Control Specification

No.	Item	Specification
7-1	Control System	PWM(Pulse width modification)
7-2	Pulse width range	500~2500μsec
7-3	Neutral position	1500μsec
7-4	Running degree	180° or 270° (when 500~2500 μ sec)
7-5	Dead band width	3 μsec
7-6	Operating frequency	50-330Hz
7-7	Rotating direction	Counterclockwise (when 500~2500 μsec)

8.About PWM Control

► Connector: JR-3pin-2.54mm



► Communication Interface: PWM

