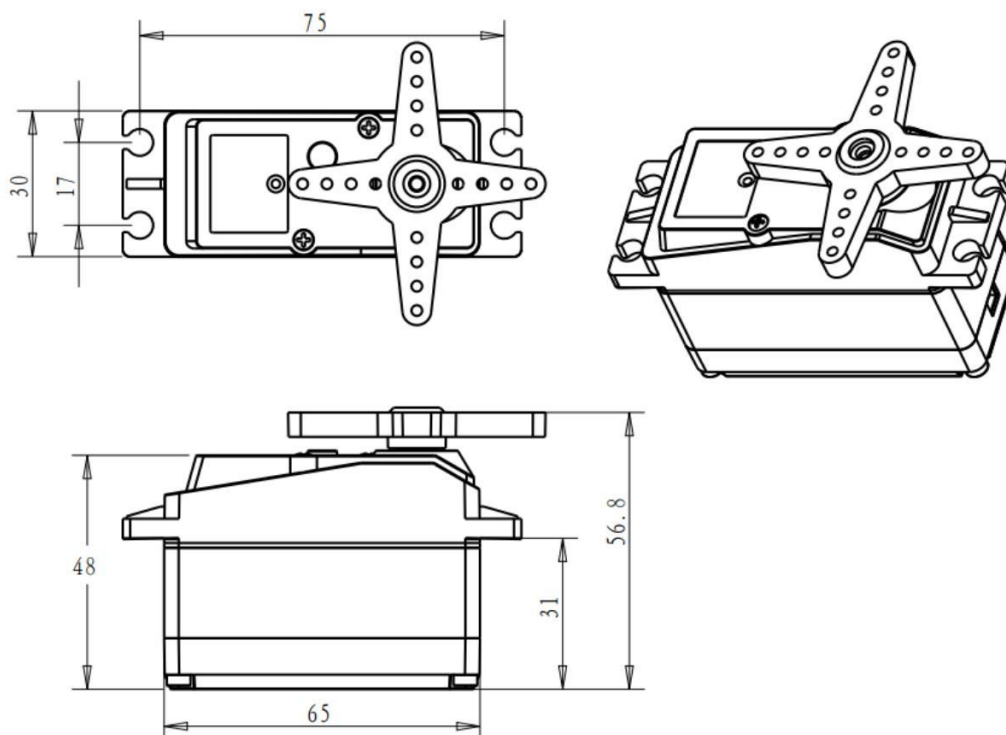




Product Name: DS51150-12V (RED)

Product Description: 12V 150kg RC Digital Servo

Drawing



1. Apply Environmental Condition

No.	Item	Specification
1-1	Storage Temperature Range	-30℃ ~ 80℃
1-2	Operating Temperature Range	-15℃ ~ 70℃
1-3	Operating Voltage Range	9-12.6V

2. Mechanical Specification

No.	Item	Specification
2-1	Size	65*30*48mm
2-2	Weight	175g
2-3	Gear ratio	357
2-4	Bearing	Double bearing
2-5	Connector wire	300±5mm
2-6	Motor	3-pole(s)
2-7	Waterproof performance	IP67



3. Electrical Specification

No.	Operating Voltage	10V	12V	12.6V
3-1	Idle current(at stopped)	4mA	5mA	6mA
3-2	Operating speed (at no load)	0.24 sec/60°	0.21 sec/60°	0.19sec/60°
3-3	Stall torque (at locked)	150 kg-cm	165 kg-cm	173 kg-cm
3-4	Stall current (at locked)	7.4A	8.0A	8.3A

4. Control Specification

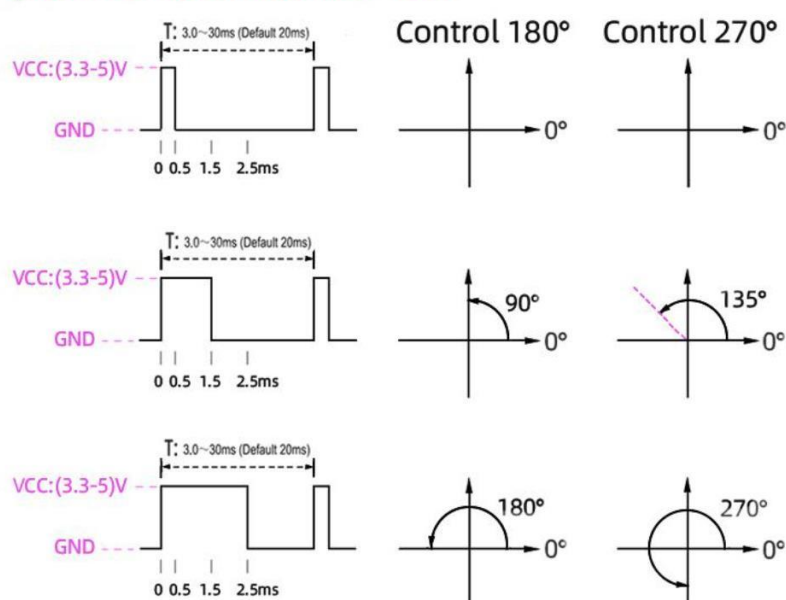
No.	Item	Specification
4-1	Control System	PWM(Pulse width modification)
4-2	Pulse width range	500~2500μsec
4-3	Neutral position	1500μsec
4-4	Running degree	180° or 270° (when 500~2500 μ sec)
4-5	Dead band width	3 μsec
4-6	Operating frequency	50-330Hz
4-7	Rotating direction	Counterclockwise (when 500~2500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

5. About PWM Control

► Connector: JR-3pin-2.54mm



► Communication Interface: PWM



For more information, please contact with us: servomaker@hotmail.com