

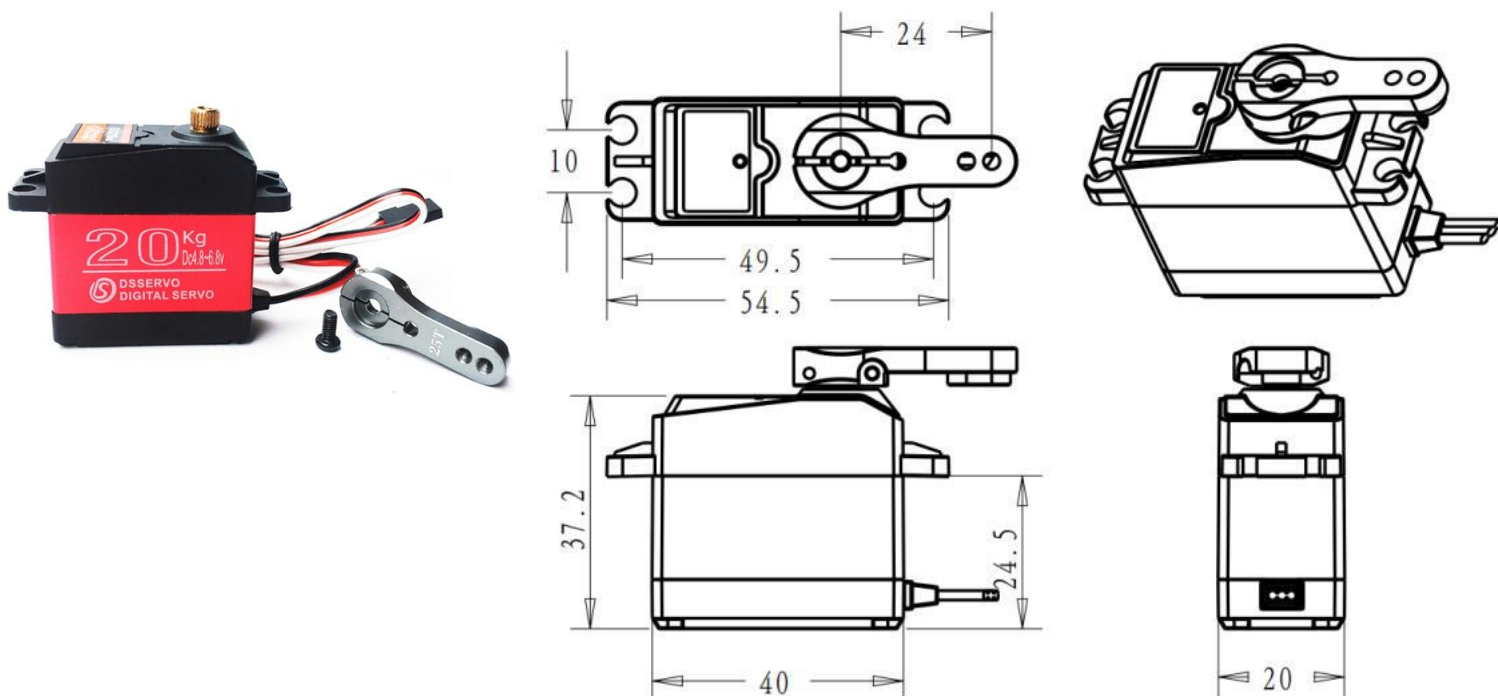


ANNIMOS DS-Model Servo

(Product datasheet)

page 1/2

(Product Name): DS3218MG
(Product Description): 6.8V 20kg Digital Servo
(Drawing)



1. Apply Environmental Condition

No.	Item	Specification
1-1	Storage Temperature Range	-20℃ ~ 60℃
1-2	Operating Temperature Range	-10℃ ~ 50℃
1-3	Operating Voltage Range	4.8-6.8V

2. Mechanical Specification

No.	Item	Specification
2-1	Size	40*20*40.5mm
2-2	Weight	60g
2-3	Gear ratio	250
2-4	Bearing	Double bearing
2-5	Connector wire	400±5mm
2-6	Motor	3-pole(s)
2-7	Waterproof performance	IP66

Any question please contact with us: servomaker@hotmail.com



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page 2/2

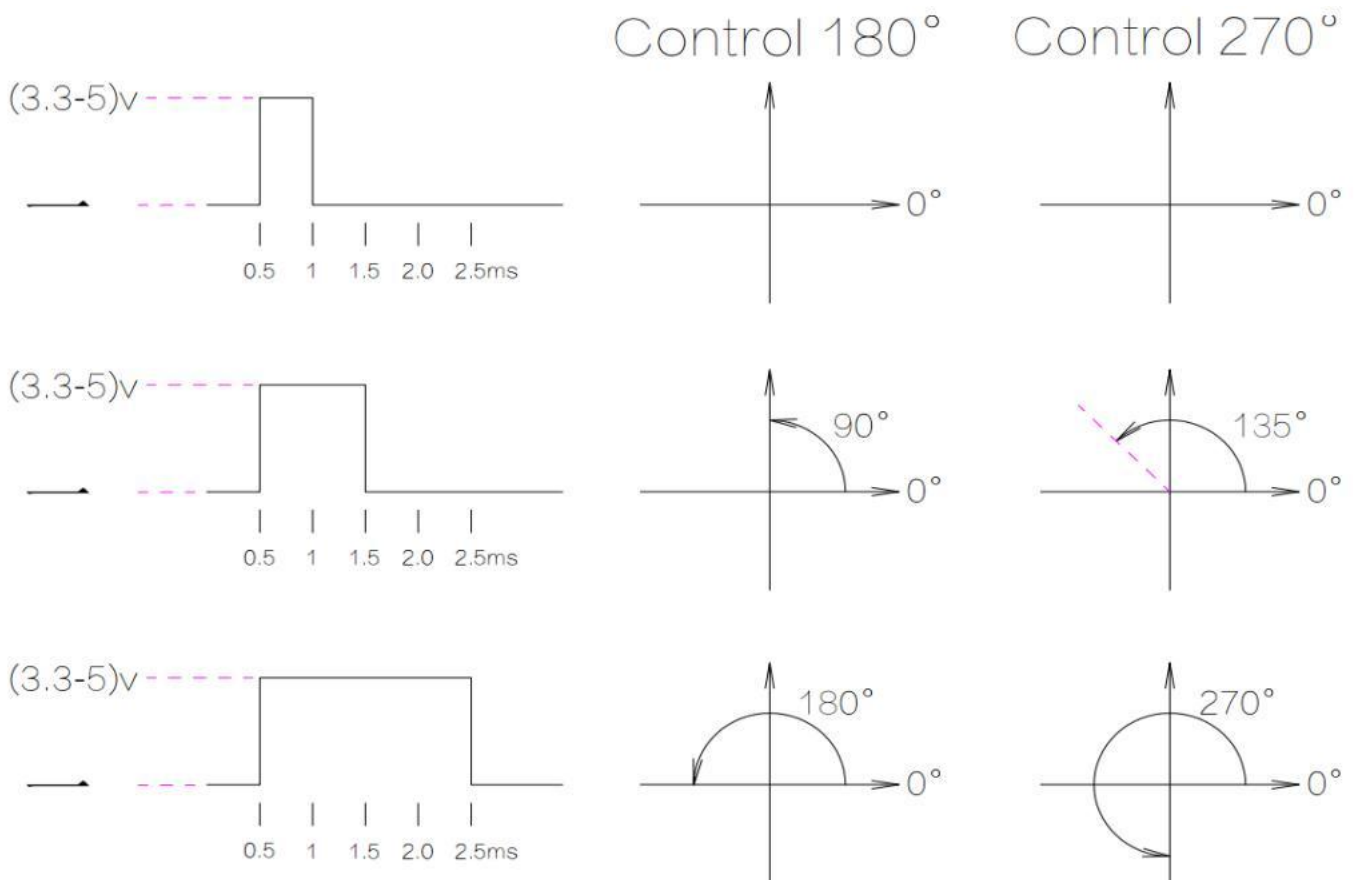
3. Electrical Specification

No.	Operating Voltage	5V	6.8V	
3-1	Idle current(at stopped)	4mA	5mA	
3-2	Operating speed (at no load)	0.16 sec/60°	0.14 sec/60°	°
3-3	Stall torque (at locked)	19 kg-cm	21.5 kg-cm	
3-4	Stall current (at locked)	1.5A	1.8 A	

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° (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



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