

Product Name DS5160

Product Description 7.4V 60kg 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	6-8.4V

2. Mechanical Specification

No.	Item	Specification
2-1	Size	65*30*48mm
2-2	Weight	158g
2-3	Gear ratio	279
2-4	Bearing	Double bearing
2-5	Connector wire	300 1 5mm
2-6	Motor	3-pole(s)
2-7	Waterproof performance	IP67

More information please contact with us:servomaker@hotmail.com

3. Electrical Specification

No.	Operating Voltage	6V	7.4V	8.4V
3-1	Idle current(at stopped)	4mA	5mA	6mA
3-2	Operating speed (at no load)	0.17 sec/60 $\frac{1}{2}$	0.15sec/60 $\frac{1}{2}$	0.13sec/60 $\frac{1}{2}$
3-3	Stall torque (at locked)	58 kg-cm	65 kg-cm	70 kg-cm
3-4	Stall current (at locked)	3.5A	5A	6.2A

4. Control Specification

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

5. About PWM Control