东莞市达盛舵机科技有限公司

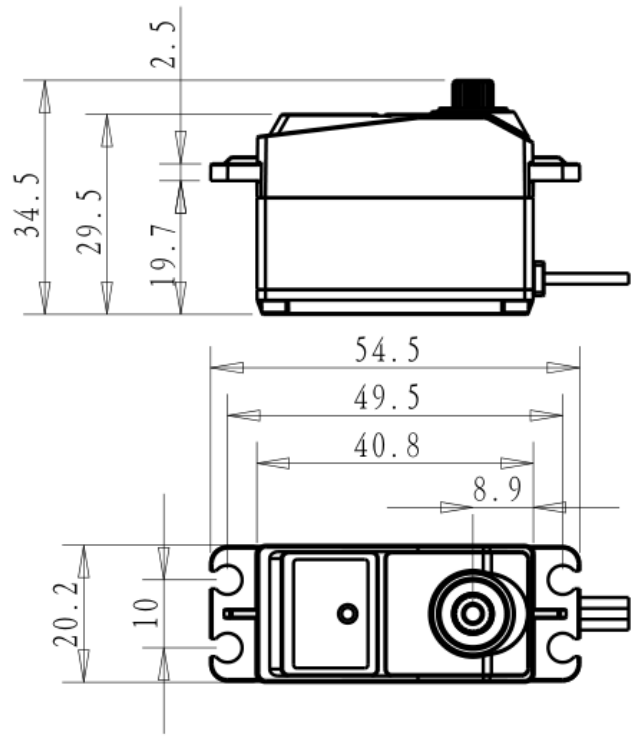
Dongguan City Dsservo Technology Co.,Ltd

产品规格书(Product datasheet)

产品型号 (Product Name): DS4125

产品描述 (Product Description): 7.4V 25kg low profile Digital Servo

产 品 图 (Drawing)



1. 使用环境条件 Apply Environmental Condition

No.	Item	Specification
1-1	存储温度 Storage Temperature Range	-30℃～80℃
1-2	运行温度 Operating Temperature Range	-15℃～70℃
1-3	工作电压范围 Operating Voltage Range	4.8-7.4V

2. 机械特性 Mechanical Specification

No.	Item	Specification
2-1	尺寸 Size	40*20*29.5mm
2-2	重量 Weight	55g
2-3	齿轮比 Gear ratio	365
2-4	轴承 Bearing	Double bearing
2-5	舵机线 Connector wire	300±5mm
2-6	马达 Motor	Core motor
2-7	防水性能 Waterproof performance	IP66

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3. 电气特性 Electrical Specification

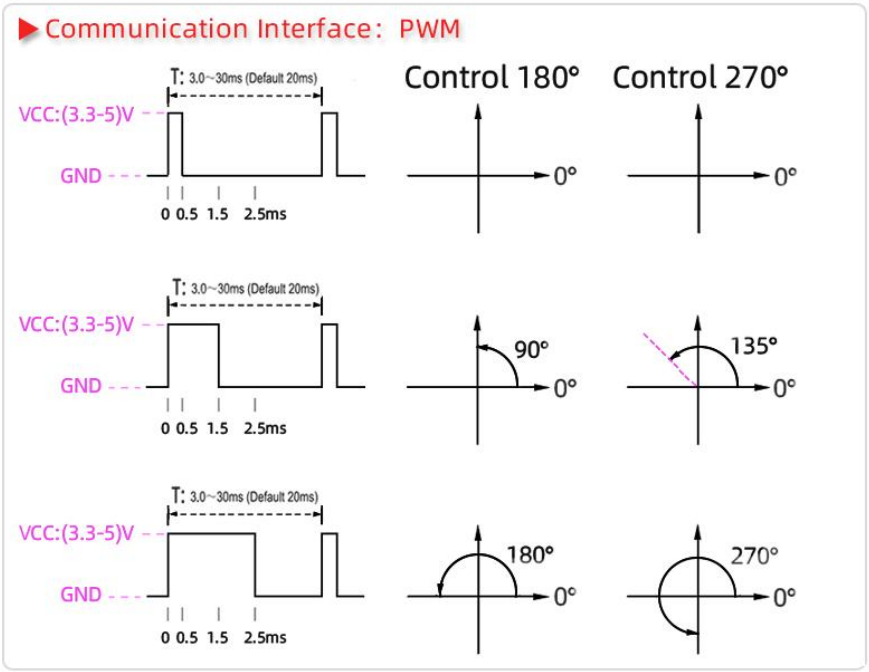
No.	工作电压 Operating Voltage	5V	6V	7.4V
3-1	待机电流 Idle current(at stopped)	5mA	5mA	5mA
3-2	空载转速 Operating speed (at no load)	0.14 sec/60°	0.11 sec/60°	0.09 sec/60°
3-3	堵转扭矩 Stall torque (at locked)	17 kg-cm	21 kg-cm	25 kg-cm
3-4	堵转电流 Stall current (at locked)	1.0A	1.4 A	2.1 A

4. 控制特性 Control Specification

No.	Item	Specification
4-1	驱动方式 Control System	PWM(Pulse width modification)
4-2	脉宽范围 Pulse width range	500～2500μsec
4-3	中点位置 Neutral position	1500μsec
4-4	控制角度 Running degree	180°or 270° (when 500～2500 μ sec)
4-5	控制精度 Dead band width	2 μsec
4-6	控制频率 Operating frequency	50-330Hz
4-7	旋转方向 Rotating direction	Counterclockwise (when 500～2500 μsec)

5. 关于 PWM 控制说明 About PWM Control





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