

# 产品规格

## Specification of Product

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产品名称: 16.8V150公斤无刷舵机 Product Name: 16.8V150kg-cm BLS Servo

产品型号 Model:

### 1. 使用环境条件 Apply Environmental Condition

No.	Item	Specification
1-1	存储温度 Storage Temperature Range	-30°C~70°C
1-2	运行温度 Operating Temperature Range	-20°C~60°C

### 2. 测试环境 Standard Test Environment

No.	Item	Specification
2-1	温度 Temperature range	25°C ±5°C
2-2	湿度 Humidity range	65%±10%

### 3. 机械特性 Mechanical Specification

No.	Item	Specification
3-1	尺寸 Size	64.0*32.8*76.5 mm
3-2	重量 Weight	452 g
3-3	齿轮类型 Gear type	Steel Gear
3-6	机构极限角度 Limit angle	180°
3-7	轴承 Bearing	2 Ball bearings
3-8	出力轴 Horn gear spline	25T 9.95 mm
3-9	摆臂 Horn type	Metal
3-10	外壳 Case	Aluminium CNC
3-11	舵机线 Connector wire	500 mm
3-12	马达 Motor	BLS motor
3-13	防水性能 Splash water resistance	Yes

### 4. 电气特性 Electrical Specification (Function of the Performance)

No.	工作电压 Operating Voltage Range	2S (8.4 V)	3S (12.6 V)	4S (16.8V)
4-1	空载速度 No load speed	0.29 sec/60°	0.18 sec/60°	0.14 sec/60°
4-2	空载电流 Running current (at no load)	150 mA	270 mA	400 mA
4-3	堵转扭矩 Peak stall torque	90 kg.cm	120 kg.cm	150 kg.cm
4-4	堵转电流 Stall current	6.5 A	8 A	10A
4-5	静态电流 Idle current	50 mA	50 mA	50 mA

Note: "\*"definition is average value when the servo running with no load

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### 5. 控制特性 Control Specification:

No.	Item	Specification
5-1	控制信号 Command signal	PWM 50~333Hz
5-2	放大器类型 Amplifier type	Digital Controller
5-3	脉冲宽度范围 Pulse width range	800~2200μsec
5-4	中立位置 Neutral position	1500 μsec
5-5	旋转角度 Running degree	90° (when 1000~2000 μ sec)
5-6	死区宽度 Dead band width	4 μsec
5-7	旋转方向 Rotating direction	CCW (when 1000~2000 μsec)

### 6. 外形图 The Drawings

