

产品规格书

Specification of Product

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产品名称: 8.4V52公斤高压数码舵机 Product Name: 8.4V52kg-cm Hight Voltage Digital Servo

产品型号 Item No: OCS-521HV

1. 使用环境条件 Apply Environmental Condition

No.	Item	Specification
1-1	存储温度 Storage Temperature Range	-20℃~70℃
1-2	运行温度 Operating Temperature Range	-15℃~65℃

2. 测试环境 Standard Test Environment

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

3. 机械特性 Mechanical Specification

No.	Item	Specification
3-1	尺寸 Size	20*40*41 mm
3-2	重量 Weight	81g no including accessory
3-3	齿轮类型 Gear type	Stainless Steel
3-6	机构极限角度 Limit angle	210°
3-7	轴承 Bearing	2 Ball bearings
3-8	出力轴 Horn gear spline	25T- φ 5.94mm
3-9	摆臂 Horn type	Plastic, POM
3-10	外壳 Case	Aluminium CNC
3-11	舵机线 Connector wire	300mm
3-12	马达 Motor	Coreless 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		6.0 V
4-1	空载速度 No load speed		0.158 sec/60°
4-2	空载电流 Runnig current(at no load)		350 mA
4-3	堵转扭矩 Peak stall torque		41 kg.cm
4-4	堵转电流 Stall current		4.4 A
No.	工作电压 Operating Voltage Range	7.4 V	8.4 V
4-1	空载速度 No load speed	0.132 sec/60°	0.108 sec/60°
4-2	空载电流 Runnig current(at no load)	390 mA	450 mA
4-3	堵转扭矩 Peak stall torque	48 kg.cm	55 kg.cm
4-4	堵转电流 Stall current	5.4 A	6.2 A

Note: “*”definition is average value when the servo runing 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	96° (when 1000~2000 μ sec)
5-6	死区宽度 Dead band width	1 μsec
5-7	旋转方向 Rotating direction	CCW (when 1000~2000 μsec)

6. 外形图 The Drawings

