



产品名称: 6V 7公斤数码舵机 Product Name: 6V 7kg-cm Digital Servo

产品型号 Model No. FT3325P

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

No.	Item	Specification
1-1	存储温度 Storage Temperature Range	-30°C~80°C
1-2	运行温度 Operating Temperature Range	-15°C~70°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	A: 30.0mm B: 10.0mm C: 35.5mm
3-2	重量 Weight	26.2g ±0.2 (0.92oz)
3-3	齿轮类型 Gear type	Metal Gear
3-6	机构极限角度 Limit angle	360°
3-7	轴承 Bearing	2 Ball bearings
3-8	出力轴 Horn gear spline	25T
3-9	摆臂 Horn type	Plastic, POM
3-10	外壳 Case	ABS
3-11	舵机线 Connector wire	150mm ±5 mm
3-12	马达 Motor	Core motor
3-13	防水性能 Splash water resistance	NO

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

No.	工作电压 Operating Voltage Range	4.8V	6V
4-1*	静态电流 Idle current (at stopped)	4.8mA	6.0mA
4-2*	空载速度 No load speed	0.16sec/60°	0.13 sec/60°
4-3*	空载电流 Runnig current (at no load)	125 mA	150 mA
4-4	堵转扭矩 Peak stall torque	4.8 kg.cm	5.8kg.cm
		66.65 oz.in	80.05 oz.in
4-5	堵转电流 Stall current	900 mA	1000 mA

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	Pulse width modification
5-2	放大器类型 Amplifier type	Digital Controller
5-3	脉冲宽度范围 Pulse width range	900~2100 $\mu$ sec
5-4	中立位置 Neutral position	1500 $\mu$ sec
5-5	旋转角度 Running degree	120° (when 900~2100 $\mu$ sec)
5-6	死区宽度 Dead band width	2 $\mu$ sec
5-7	旋转方向 Rotating direction	Counterclockwise (when 1000~2000 $\mu$ sec)

### 6. 外形图 The Drawings

