

Specification Sheet

客户名称: _____

Customer

规格型号: ES3005 HV Metal Digital Servo

Part No. _____

文件编号: _____

File No.

客户确认 Customer Approved	料号 Part No.	签章 Signatures	日期 Date
EMAX Approved	拟制 Drawn	审核 Check	批准 Approved
	杨超		批准日期 Date 2023/09/15

Address: No. 24, Huanzhuli Industrial 2nd Road, Changping Town, Dongguan, Guangdong, 523585 China

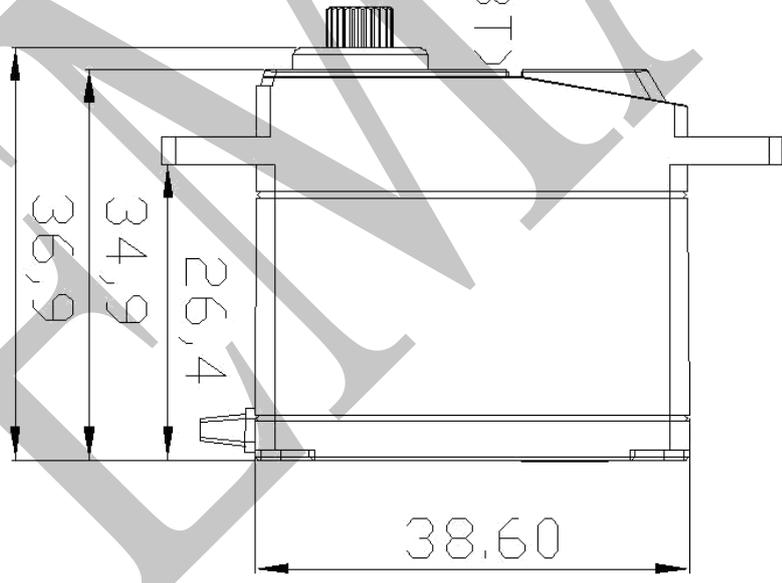
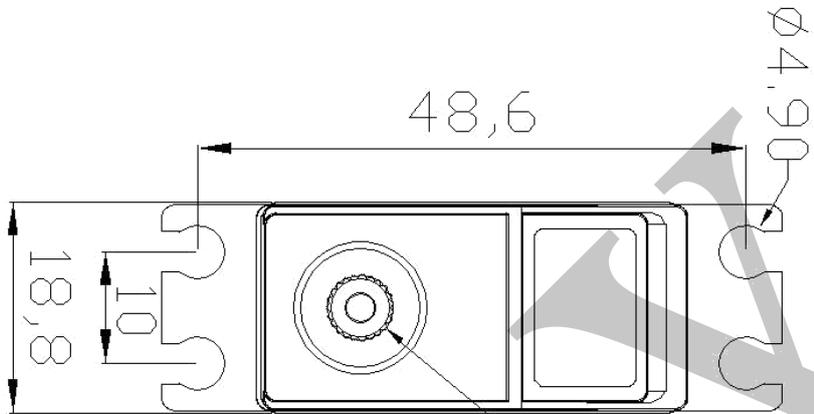
Tel: +86-769-82982600/01

Fax: +86-769-82982602

Website: www.emaxmodel.com

使用环境 Working Environment				
No.	Item	Specification		
1	储存温度 Storage temperature Range	-20℃~70℃		
2	运行温度 Operating temperature Range	-10℃~55℃		
电气特性 Electrical Specification (Function of the Performance)				
No.	Item	6.0V	7.4V	8.4V
1	空载速度 (±10%) Operating speed (at no load)	0.15 sec/60°	0.12sec/60°	0.11sec/60°
2	空载电流 Running current (at no load)	450mA Max	580mA Max	650mA Max
3	堵转扭矩 Stall torque	8kg.cm Max	10kg.cm Max	11kg.cm M
4	堵转电流 Maximum current	2.5A Max	3.2A Max	3.6A Max
5	静态电流 Idle Current	9.5mA		
机械特性 Mechanical Specification				
No.	Item	Specification		
1	外观尺寸 Overall Dimensions	见成品图		
2	重量 Weight	43±0.5 g		
3	端子规格 Connector wire gauge	JR		
4	3P 线长度(单位: mm)Connector wire length	240±8(不含端子)		
5	花头 Flower head	23T		
6	轴承 Bearing	2BB		
7	齿轮类型 Gear type	metal		
8	极限角度 Extreme angle	220°		
控制特性 Control Specification				
No.	Item	Specification		
1	控制系统 Control system	PWM		
2	操作角度 Operating travel	90° ±8°(when 1000-2000 μ sec)		
3	中立位置 Neutral position	1500 μ sec		
4	旋转方向 Rotating direction	Counter Clockwise / Pulse Traveling 1500 to 1900 μ sec		
5	脉波宽度范围 Pulse width range	500-2500 μ sec		
6	可作动角度范围 Maximum travel	180° ±10°(500-2500μ sec)		

成品图 V1.0



No.:	CHANGE ITEM	CHANGE BEFORE	CHANGE AFTER	DATE	CHANGER

Dr.by: YC	Clk.by:	Date: 2018/05/02	App.by:	Tol.: $\times\times\times\pm 0,2$	Scale: N.A.	Sheet: 1/1	Units: mm
TITLE: ES3005 舵机							

