



## Specification Sheet

客户名称: \_\_\_\_\_

Customer

规格型号: ES09MD 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

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使用环境 Working Environment			
No.	Item	Specification	
1	储存温度 Storage temperature Range	-20℃~60℃	
2	运行温度 Operating temperature Range	-10℃~50℃	
电气特性 Electrical Specification (Function of the Performance)			
No.	Item	6.0V	8.4V
1	空载速度 (±10%) Operating speed (at no load)	0.17 sec/60°	0.12sec/60°
2	空载电流 Running current (at no load)	200mA Max	280mA Max
3	堵转扭矩 Stall torque	2.3kg.cm Max	3.1kg.cm Max
4	堵转电流 Maximum current	0.65A Max	0.9A Max
5	静态电流 Idle Current	9.5mA	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	13.5±1 g	
3	端子规格 Connector wire gauge	JR	
4	3P 线长度(单位: mm)Connector wire length	250±8(不含端子)	
5	花头 Flower head	21T	
6	轴承 Bearing	2BB	
7	齿轮类型 Gear type	metal gear	
8	极限角度 Extreme angle	360°	
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	175° ±10°( 500-2500μ sec )	

