

HuiDa RC International Limited

1. 使用環境條件

Apply Environmental Condition:

No.	项目 item	规格 standard
1-1	保存溫度 Storage Temperature Range	-20°C ~60°C
1-2	操作温度 Operating Temperature Range	-10°C∼50°C
1-3	操作電壓 Operating Voltage Range	4.8V~6.0V

2. 測試環境

Standard Test Environment:

		每一个检查必须是正常的温度和湿度进行测量,温
		度 25 ± 5℃,相对湿度 65 ± 10%,在按照本规范的
		标准测试条件下判断特征。
2-1	測試環境 Standard Test Environment	Every characteristic of the inspect must be normal temperature and humidity carry out the test, temperature 25±5°C and relative humidity 65±10% of judgment made in accordance with this specification standard
		testing conditions.

3. 外 觀 檢 查

Appearance Inspection:

No.	项目 item	规格 standard
3-1	外觀尺寸 Outline Drawing	尺寸见附件 Dimension see the attachment
3-2		无损坏,不允许影响功能 No damage which affects functions allowed

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-cwells	数字伺服器	Digital Servo	DSM44	V1	1/3	

4. 電 氣 特 性

Electrical Specification (Function of the Performance):

No.	项目 item	4.8V	6.0V
4-1	空載轉速 Operating speed (at no load)	0.09 sec/60°	0.07 sec/60°
4 2	空載電流 Running current (at no load)	≦90 mA	≦90 mA
4-3	停止扭力 Stall torque (at locked)	1.2 kg-cm	1.6 kg-cm
4-4	停止電流 Stall current (at locked)	600 mA	700 mA
4-5	待機電流 Idle current (at stopped)	<50 mA	<50 mA

注:项目 4-2 定义平均值时,伺服器无负荷运行

Note: Item 4-2 definition is average value when the servo running with no load

5. 機械特性

Mechanical Specification:

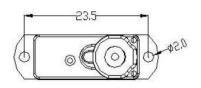
No.	项目 item	规格 standard
5-1	外觀尺寸 Overall Dimensions	见附件 See the drawing
5-2	機構極限角度 Limit angle	360°
5-3	重量 Weight	$5.8 \pm 0.2 \text{ g}$
5-4	導線規格 Connector wire gauge	Φ0.8-16 芯 PVC
5-5	導線長度 Connector wire length	160 ± 5 mm
5-6	舵片規格 Horn gear spline	20T/ ψ 3.55mm
5-7	舵片種類 Horn type	十字,圆盘,条型 Cross , Disk, Double Flat
5-8	減速比 Reduction ratio	1/378

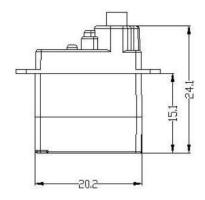
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4-CWELTED	数字伺服器	Digital Servo	DSM44	V1	2/3

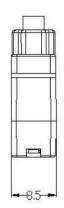
6. 控制特性 Control Specification:

No.	项目	规格
6-1	控制系統 Control system	改变脉冲宽度 Pulse Width Modification
6-2	放大器種類 Amplifier type	数字控制器 Digital Controller
6-3	操作角度 Operating travel	90°±10° (在 1000→2000 μ sec)
6-4	中立位置 Neutral position	1500 $\mu \sec$
6-5	脈波訊號虛位 Dead band width	$\leq 5 \mu \sec$
6-6	旋轉方向 Rotating direction	逆时针(在 1000→2000 μ sec) Counterclockwise (when1000→2000 μsec)
6-7	脈波寬度範圍 Pulse width range	1000→2000 μ sec
6-8	可作動角度範圍 Maximum travel	大约 145°±10° (when700→2300 μsec) Approx 145°±10° (when700→2300 μsec)

单位: mm







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Product Name	
数字伺服 Digital Servo	

Model No.	
DSM44	

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