

1. 使用環境條件

Apply Environmental Condition :

No.	項目 item	規格 standard
1-1	保存溫度 Storage Temperature Range	-20°C ~ 60°C
1-2	操作溫度 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 :

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

3. 外觀檢查

Appearance Inspection :

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

4. 電氣特性

Electrical Specification (Function of the Performance) :

No.	項目 item	4.8V	6.0V
4-1	空載轉速 Operating speed (at no load)	0.11 sec/60°	0.08 sec/60°
4-2	空載電流 Running current (at no load)	120 mA	140 mA
4-3	停止扭力 Stall torque (at locked)	1.0 kg-cm	1.3 kg-cm
4-4	停止電流 Stall current (at locked)	390 mA	460 mA
4-5	待機電流 Idle current (at stopped)	4 mA	5 mA

注：項目 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.	項目 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	180°± 10°
5-3	重量 Weight	8 ± 1g
5-4	導線規格 Connector wire gauge	# 28 PVC
5-5	導線長度 Connector wire length	150 ± 5 mm
5-6	舵片規格 Horn gear spline	Ψ3.92*24T
5-7	舵片種類 Horn type	十字，星型 Cross , Star
5-8	減速比 Reduction ratio	1:630



Product Name
模拟伺服器 Analog Servo

Model No.
1800A

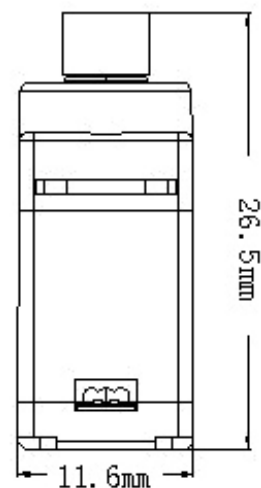
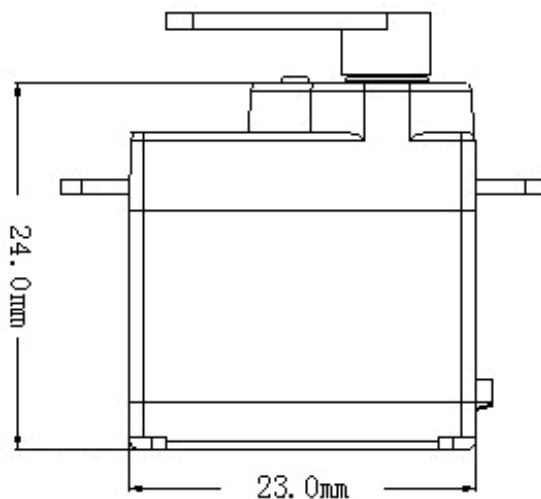
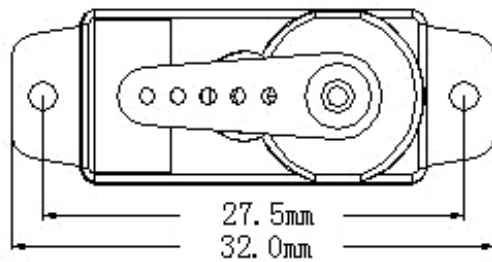
Version
V1

Page
2/3

6. 控制特性

Control Specification :

No.	項目	規格
6-1	控制系統 Control system	改變脈衝寬度 Pulse Width Modification
6-2	放大器種類 Amplifier type	模擬控制器 Analog Controller
6-3	操作角度 Operating travel	90° (在 1000→2000 μ sec)
6-4	中立位置 Neutral position	1500 μ sec
6-5	脈波訊號虛位 Dead band width	5 μ sec
6-6	旋轉方向 Rotating direction	順時針 (在 1500→2000 μ sec) Counterclockwise (when 1500→2000 μ sec)
6-7	脈波寬度範圍 Pulse width range	800→2200 μ sec
6-8	可作動角度範圍 Maximum travel	大約 165°(在 800→2200 μ sec) Approx 165°(when 800→2200 μ sec)



Product Name
模擬伺服器 Analog Servo

Model No.
1800A

Version
V1

Page
3/3

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [AC, DC & Servo Motors](#) category:

Click to view products by [Pololu](#) manufacturer:

Other Similar products are found below :

[805470B40040MY](#) [R88M-G10030H-S2](#) [R88MK15K015CS2](#) [R88MK1K520HS2](#) [R88MK3K030FBS2](#) [R88MK1K530HBS2](#)
[R88MK75030TS2](#) [1032](#) [M4E068-CF01-01](#) [80510503](#) [805470A403.6MY](#) [805470B40020MY](#) [80627003](#) [82800003](#) [82830009](#)
[R88MK2K030FS2](#) [KDE4014XF-380 \(D5\)](#) [R88A-RG08UA](#) [82810017](#) [82861019](#) [89850008](#) [R88M-K75030H](#) [R88M-G10030L-OS2](#) [R88M-](#)
[GP20030L-OS2](#) [R88M-K90010F-S2](#) [R88M-GP40030L-OS2](#) [R88M-K1K030H-S2](#) [R88M-GP20030H-BO](#) [R88M-G10030L-BO](#) [R88M-](#)
[GP20030S-OS2](#) [R88M-K20030H-B](#) [R88M-G40030H-BS2](#) [R88M-GP20030H-O](#) [R88M-G40030T-S2](#) [R88M-K10030L](#) [82840003](#) [82840004](#)
[R88M-GP20030L](#) [R88M-GP20030H-BS2](#) [R88M-GP10030S](#) [R88M-GP20030L-S2](#) [R88M-G40030H](#) [R88M-GP20030L-O](#) [R88M-GP20030L-](#)
[BS2](#) [R88M-GP20030T-OS2](#) [82869011](#) [89850007](#) [R88M-K1K020F](#) [82524021](#) [R88M-K1K520F](#)