



KPOWER

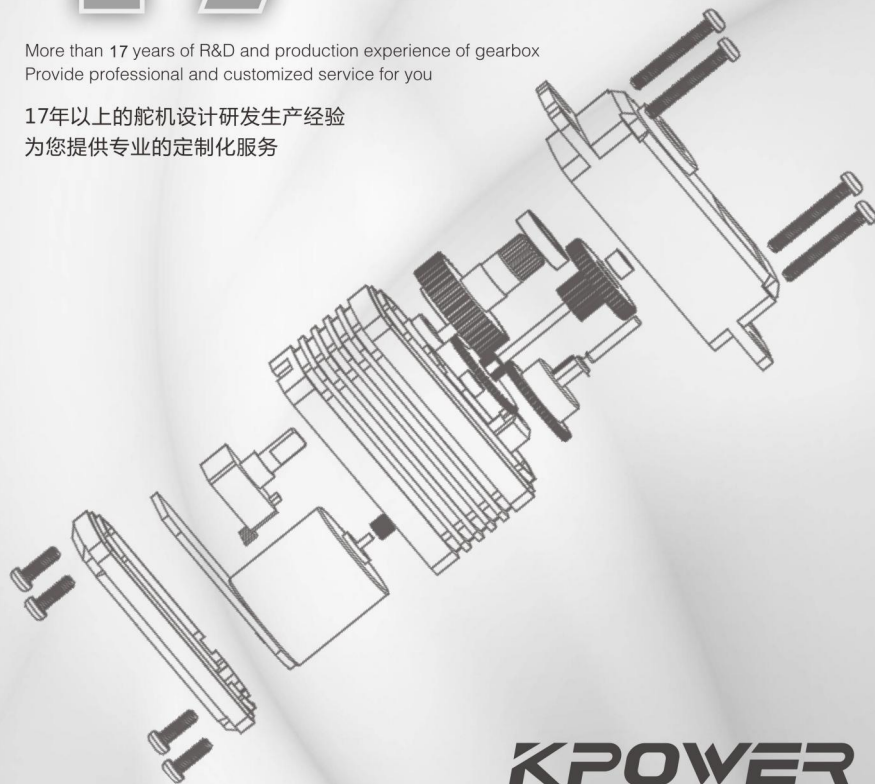
KPOWER TECHNOLOGY CO.,LTD.

POWERING THE FUTURE OF ROBOTICS

17th

More than 17 years of R&D and production experience of gearbox
Provide professional and customized service for you

17年以上的舵机设计研发生产经验
为您提供专业的定制化服务



KPOWER

专注舵机的设计·研发·制造

SMART SERVO PROFESSOR

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公司简介 >>>



Company profile

东莞市伟创动力科技有限公司成立于2005年，公司位于广东东莞市横沥镇，是一家集研发、生产、销售精密传动系统、电机控制系统及机器人舵机的智造型企业，公司拥有近12000m²的生产制造场地，为客户提供传动方案设计 & 生产组装的定制化服务。

公司在深圳南山设有研发中心，拥有嵌入式工程师、算法工程师、电子工程师、齿轮传动工程师等研发设计人才30余人。并且与国内外多所知名工程院校实验室和科研单位展开产学研以及人才培养交流方面的合作。

公司产品主打定制化、智能化、模块化。在遥控模型、无人机、机器人、人工智能、电子锁、智能家居、工业自动化、农业设备等相关领域与国内外著名企业展开深入的定制化合作。

通过在研发方面的持续投入，公司现已通过国家高新技术企业认证及ISO9001国际质量管理体系认证。作为一家高科技企业，我们拥有强大而优秀的研发团队，熟练和有经验的产线工人。

经过多年的努力研发和创新，已经获得近100多项技术专利，开发出适合各个不同产业的相关舵机300余款，满足客户的各种应用需求。产品远销美国、巴西、加拿大、澳洲、德国、英国、法国和日本等几十个国家。

Kpower Technology Co., Ltd. established in 2005, is located in Hengli Town, Dongguan City, Guangdong Province. It is a smart modeling enterprise integrating R&D, production and sales of precision transmission systems, motor control systems and robot steering gears. The company has nearly 12,000m².

The square production site provides customers with customized solutions for transmission design and production assembly.

The company's products focus on customization, intelligentize and modularization. In-depth customization cooperation with famous enterprises at home and abroad in RC hobby, drones, robots, artificial intelligence, electronic locks, smart homes, industrial automation, agricultural equipment, and other related fields.

Through continuous investment in research and development, the company has passed the national high-tech enterprise certification and ISO9001 international quality management system certification.



专注舵机的设计·研发·制造

Company History

发展历程

未来厂区规划
Kpower搬迁至横沥新厂，规模25,000m²
Kpower moved to Hengli new plant with a scale of 12000m²

2022



伟创动力智造工厂正式启动使用
Kpower搬迁至横沥新厂，规模12,000m²
Kpower moved to Hengli new plant with a scale of 12000m²

2019



在深圳宝安成立研发销售部
Kpower established R & D and sales department in Nanshan, Shenzhen
获得“国家高新技术企业”认定
obtained the recognition of "national high tech enterprise"

2017



在深圳华南城创建销售部门
Kpower establishes sales department in South China City, Shenzhen
通过ISO9001认证通过
Passed ISO9001 certification.

2016



该工厂搬迁至桥头禾坑工业园，规模7,500m²
The factory moved to hekeng, Qiaotou Industrial Park, 7500m²

2015



月产能达到30万颗
Month output reaches 300000pcs servo

Kpower
Kpower established its own brand
工厂搬迁至桥头禾坑吉达工业园规模2,500m²
Relocation of the plant to heteng Jida Industrial Park, Qiaotou, with a scale of 2500 m²

2012



公司成立
Established

2005

企业荣誉

Enterprise Honor

公司拥有发明专利，实用型专利，软件著作权等近百项专利

Our company has nearly one hundred patents such as invention patents, practical patents, software works, etc.

- KPOWER产品证书: CE, ROHS, FCC
- KPOWER product certificate: CE, ROHS, FCC
- 2016年, 获得ISO9001质量体系认证
- In 2016, obtained ISO9001 certificate
- 2017年获得高新技术企业认证
- In 2017, won the national High-tech enterprise certification
- 2020年, 获得ISO14001-2015
- In 2020, won ISO14001-2015



综合测试实验室

Comprehensive Test Laboratory

高精度检测设备 | HIGH PRECISION TESTING EQUIPMENT

为了更好的服务于客户，公司设有模具制作部门、塑胶注塑部门、CNC金属加工部门、齿轮加工部门、无尘组装生产环境。日本齿轮检测设备以及专业的ROSH检测设备和极端环境实验室。

采用ERP管理系统，不断提高产品质量和效率。秉承创新理念，以专业负责的态度为客户提供一流的定制化产品和服务，全方位满足客户需求。

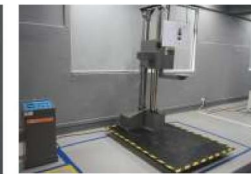
In order to better serve the customers, our company has mold department, plastic injection department, CNC department, gear processing department, dust-free assembly production environment, Japanese gear testing equipment, professional ROHS testing equipment and extreme environment laboratory. Adopt ERP management system to continuously improve product quality and efficiency. Adhering to the concept of innovation, providing customers with first-class customized products and services with a professional and responsible attitude to meet customer needs in all aspects.



二次元
Two Dimension Measuring Instrument



洛氏硬度计
Rockwell Hardness Tester



单臂跌落试验机
Arm Drop Test Machine



模拟汽车运输振动台
Transportation Vibration Testing Machine



垂直水平燃烧试验机
Vertical Horizontal Combustion Test Machine



噪音测试设备
Shockproof Test Equipment



突拉试验机
Burst tester



标准光源对色灯箱
Color Assessment Cabinet



高低温湿热试验箱
Temperature & humidity chamber



X-ray光谱仪
X-ray spectrometer



液相色谱仪
Liquid chromatography



盐雾测试仪
Salt spray tester

PRODUCT SIZE

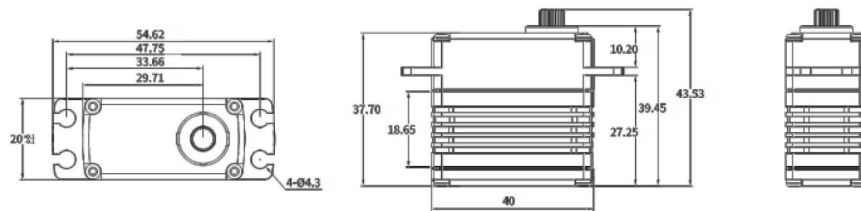
产品尺寸

HBL8 SERIES

HV Brushless Full Aluminum Case Servo

高压无刷全铝舵机

Aluminum case  HV



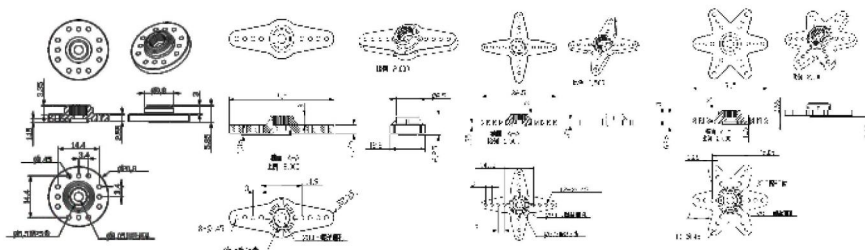
适用于HBL8系列

标准圆形舵盘

标准一字形舵盘

标准四角星形舵盘

标准六角形舵盘



适用于HBL8系列

- CNC Machined Metal Case Designed for Exceptional Cooling.
- Superior Holding Torque, Japanese Brushless Motor.
- Extremely strong Chrome-Titanium alloy gear, providing high level of durability.
- High speed, incredible efficiency, and low power consumption.
- High voltage 2s LiPo operation.

HBL830

 66g  Titanium

Dimensions(mm): 40*20*38

Power Supply: 6.0~7.4V

Speed: 0.06s(6.0V)/0.05s(7.4V)

Torque: 3.8kg(6.0V)/4.5kg(7.4V)

HBL833

 66g  Titanium

Dimensions(mm): 40*20*38

Power Supply: 6.0~7.4V

Speed: 0.09s(6.0V)/0.07s(7.4V)

Torque: 9.8kg(6.0V)/10.6kg(7.4V)



HBL835

 66g  Titanium

Dimensions(mm): 40*20*38

Power Supply: 6.0~7.4V

Speed: 0.12s(6.0V)/0.10s(7.4V)

Torque: 13.8kg(6.0V)/15.6kg(7.4V)



HBL836

 66g  Titanium

Dimensions(mm): 40*20*38

Power Supply: 6.0~7.4V

Speed: 0.15s(6.0V)/0.13s(7.4V)

Torque: 21kg(6.0V)/24.5kg(7.4V)



HBL838

 66g  Titanium

Dimensions(mm): 40*20*38

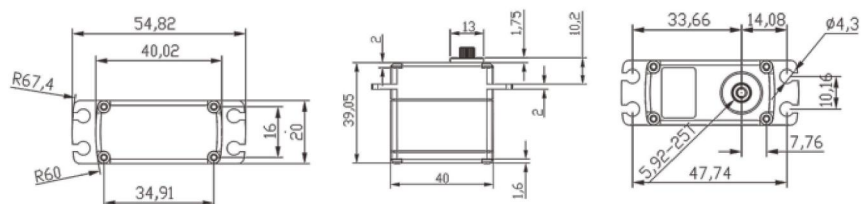
Power Supply: 6.0~7.4V

Speed: 0.16s(6.0V)/0.15s(7.4V)

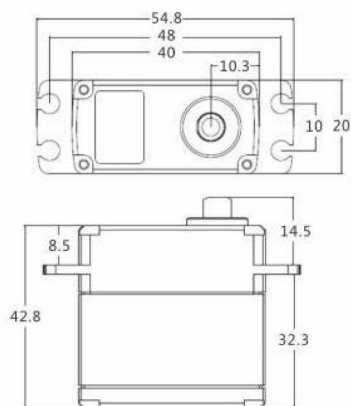
Torque: 26.3kg(6.0V)/28.2kg(7.4V)

PRODUCT SIZE

产品尺寸



适用于DHV8系列



适用于DHV840/DHV860



DHV840

73g Titanium

Dimensions(mm): 40*20*43
Power Supply: 6.0~7.4V
Speed: 0.21s(6.0V)/0.18s(7.4V)
Torque: 34kg(6.0V)/38kg(7.4V)



DHV860

73g Steel

Dimensions(mm): 40*20*43
Power Supply: 12V
Speed: 0.13s(12V)
Torque: 63kg(12V)

DHV8 SERIES

HV Coreless Full Aluminum Case Servo

高压空心杯全铝舵机

Aluminum case HV



- CNC Machined Metal Case Designed for Exceptional Cooling.
- Superior Holding Torque, Japanese Coreless Motor.
- Extremely strong Chrome-Titanium alloy gear, providing high level of durability.
- High speed, incredible efficiency, and low power consumption.
- High voltage 2s LiPo operation.



DHV821

72g Titanium

Dimensions(mm): 40*20*39
Power Supply: 6.0~7.4V
Speed: 0.06s(6.0V)/0.03s(7.4V)
Torque: 4.8kg(6.0V)/5.9kg(7.4V)



DHV822

72g Titanium

Dimensions(mm): 40*20*39
Power Supply: 6.0~7.4V
Speed: 0.07s(6.0V)/0.06s(7.4V)
Torque: 10.6kg(6.0V)/11.8kg(7.4V)



DHV823

72g Titanium

Dimensions(mm): 40*20*39
Power Supply: 6.0~7.4V
Speed: 0.09s(6.0V)/0.08s(7.4V)
Torque: 15.3kg(6.0V)/16.8kg(7.4V)



DHV825

72g Titanium

Dimensions(mm): 40*20*39
Power Supply: 6.0~7.4V
Speed: 0.12s(6.0V)/0.11s(7.4V)
Torque: 18.2kg(6.0V)/19.6kg(7.4V)



DHV826

72g Titanium

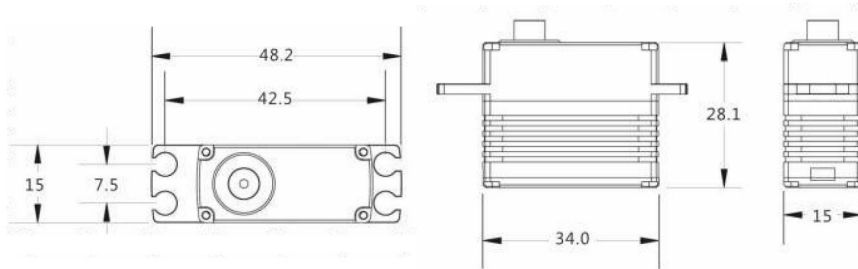
Dimensions(mm): 40*20*39
Power Supply: 6.0~7.4V
Speed: 0.12s(6.0V)/0.11s(7.4V)
Torque: 24.1kg(6.0V)/25.7kg(7.4V)



DHV828

72g Titanium

Dimensions(mm): 40*20*39
Power Supply: 6.0~7.4V
Speed: 0.15s(6.0V)/0.13s(7.4V)
Torque: 27.7kg(6.0V)/29.2kg(7.4V)



适用于DHV816/DHV817



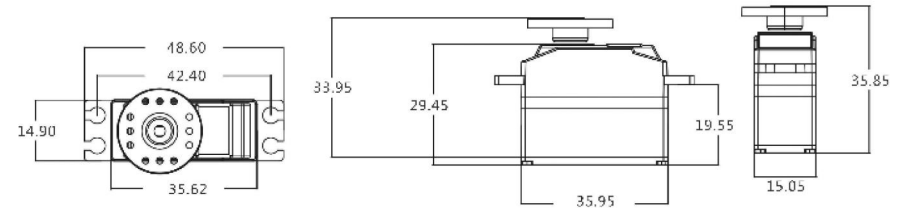
DHV816

32g Titanium
Dimensions(mm): 34*15*28
Power Supply: 6.0~7.4V
Speed: 0.12s(6.0V)/0.10s(7.4V)
Torque: 5kg(6.0V)/6kg(7.4V)



DHV817

32g Titanium
Dimensions(mm): 34*15*28
Power Supply: 6.0~7.4V
Speed: 0.06s(6.0V)/0.05s(7.4V)
Torque: 2.3kg(6.0V)/3.0kg(7.4V)



适用于DHV026/DMC026/DHV027/DMC027



DHV026

28g Titanium
Dimensions(mm): 36*15*29
Power Supply: 6.0~7.4V
Speed: 0.12s(6.0V)/0.11s(7.4V)
Torque: 4.8kg(6.0V)/5.5kg(7.4V)



DHV027

28g Titanium
Dimensions(mm): 36*15*29
Power Supply: 6.0~7.4V
Speed: 0.06s(6.0V)/0.05s(7.4V)
Torque: 2.9kg(6.0V)/3.8kg(7.4V)



DMC026

28g Titanium
Dimensions(mm): 36*15*29
Power Supply: 4.8~6.0V
Speed: 0.15s(4.8V)/0.12s(6.0V)
Torque: 5.5kg(4.8V)/6.8kg(6.0V)



DMC027

28g Titanium
Dimensions(mm): 36*15*29
Power Supply: 4.8~6.0V
Speed: 0.06s(4.8V)/0.05s(6.0V)
Torque: 2.8kg(4.8V)/3.6kg(6.0V)

PRODUCT SIZE

产品尺寸

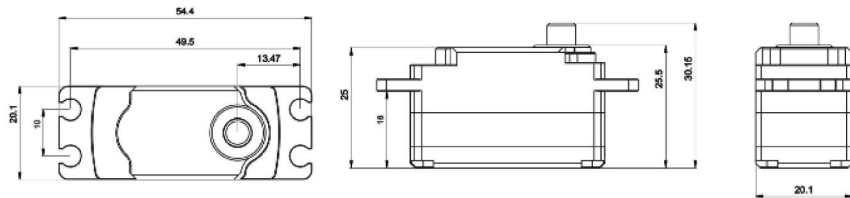
LOW PROFILE SERVO

矮舵机

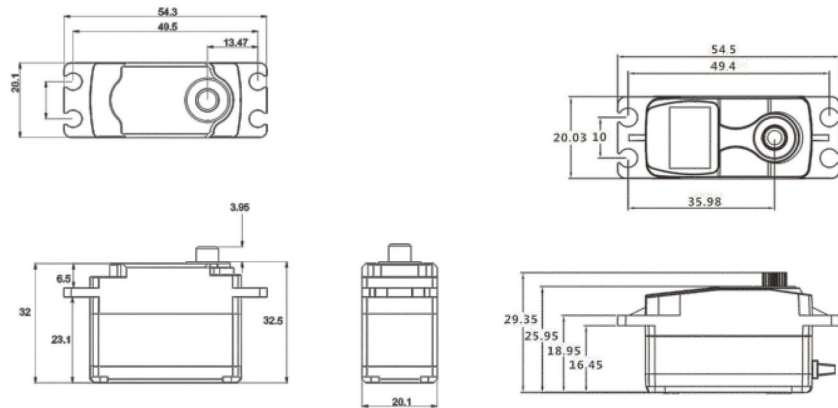
Aluminum case



- Efficient Brushless and Coreless Motor.
- Strong Titanium Gears.
- Standard 25-Tooth Spline
- Low Profile Size for Tighter Installations.



适用于HB1106/HC1007



适用于HC1510

适用于DSC090



HB1106

55g Titanium

Dimensions(mm):40*20*25.5

Power Supply:6.0~7.4V

Speed:0.08s(6.0V)/0.06s(7.4V)

Torque:8kg(6.0V)/10kg(7.4V)



HC1007

55.5g Titanium

Dimensions(mm):40*20*25.5

Power Supply:6.0~7.4V

Speed:0.10s(6.0V)/0.09s(7.4V)

Torque:10kg(6.0V)/12kg(7.4V)



HC1510

60g Titanium

Dimensions(mm): 40*20*30

Power Supply: 6.0~7.4V

Speed: 0.12s(6.0V)/0.11s(7.4V)

Torque: 13kg(6.0V)/15kg(7.4V)



DSC090

45g Titanium

Dimensions(mm): 40*20*25.5

Power Supply: 4.8~6.0V

Speed: 0.09s(4.8V)/0.08s(6.0V)

Torque: 7.8kg(4.8V)/9.3kg(6.0V)

PRODUCT SIZE

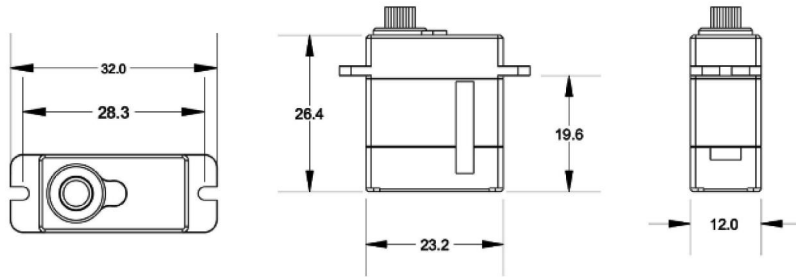
产品尺寸

Wing and wing Servo

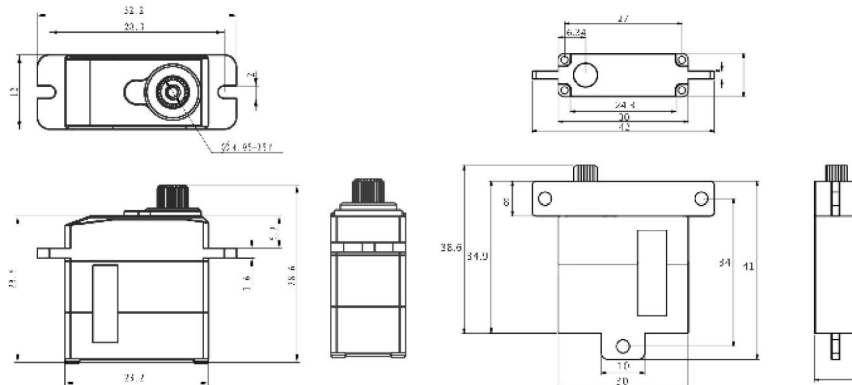
微型全铝和扁舵机

Aluminum case  

- Efficient Brushless and Coreless Motor.
- Strong Titanium Gears.
- Standard 25-Tooth Spline
- Low Profile Size for Tighter Installations.



适用于DMC809/DMC810



适用于DMC808

适用于DMC811/DHV813



DMC808

 26g  Titanium

Dimensions(mm): 23.2*12.0*23.6

Power Supply: 4.8V~6.0V

Speed: 0.12s(4.8V)/0.09s(6.0V)

Torque: 3.0kg(4.8V)/3.8kg(6.0V)



DMC809

 27.5g  Titanium

Dimensions(mm): 23*12*27

Power Supply: 4.8~6.0V

Speed: 0.08s(4.8V)/0.07s(6.0V)

Torque: 3.0kg(4.8V)/3.8kg(6.0V)



DMC810

 27.5g  Titanium

Dimensions(mm): 23*12*27

Power Supply: 4.8~6.0V

Speed: 0.04s(4.8V)/0.03s(6.0V)

Torque: 1.6kg(4.8V)/2.0kg(6.0V)



DMC811

 29g  Titanium

Dimensions(mm): 30*10*35

Power Supply: 4.8~6.0V

Speed: 0.15s(4.8V)/0.12s(6.0V)

Torque: 6.6kg(4.8V)/8.2kg(6.0V)



DHV813

 29g  Titanium

Dimensions(mm): 30*10*35

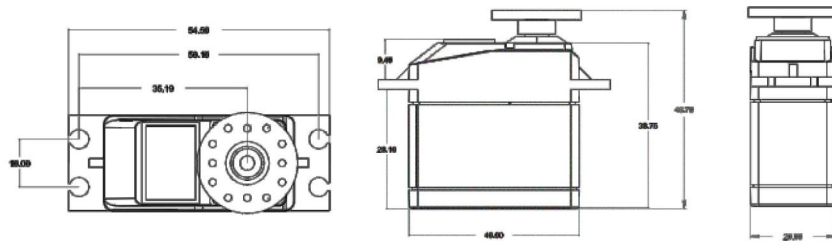
Power Supply: 6.0~7.4V

Speed: 0.11s(6.0V)/0.09s(7.4V)

Torque: 8kg(6.0V)/9kg(7.4V)

PRODUCT SIZE

产品尺寸



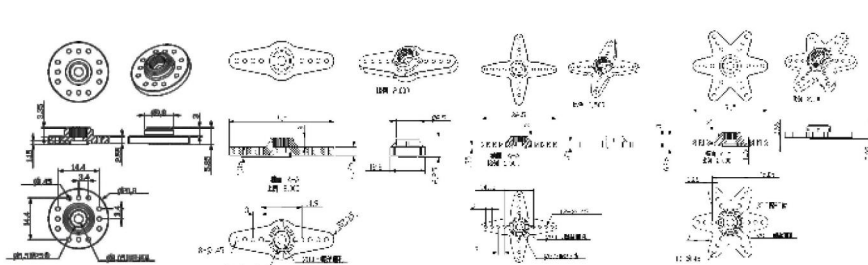
适用于半铝HBL系列/半铝DHV系列/半铝DMC系列

标准圆形舵盘

标准一字形舵盘

标准四角星形舵盘

标准六角形舵盘



适用于半铝HBL系列/半铝DHV系列/半铝DMC系列

HBL SERIES

HV Brushless Metal Mid Case Servo

高压无刷铝中壳舵机



- HIGH VOLTAGE SYSTEM
- Aluminum Alloy Mid Case
- Brushless Motor
- 2s Lipo 7.4V



HBL045

65g Titanium

Dimensions(mm): 40*20*39

Power Supply: 6.0~7.4V

Speed: 0.06s(6.0V)/0.05s(7.4V)

Torque: 4.5kg(6.0V)/5.6kg(7.4V)



HBL090

65g Titanium

Dimensions(mm): 40*20*39

Power Supply: 6.0~7.4V

Speed: 0.10s(6.0V)/0.08s(7.4V)

Torque: 8.4kg(6.0V)/9.6kg(7.4V)



HBL150

65g Titanium

Dimensions(mm): 40*20*39

Power Supply: 6.0~7.4V

Speed: 0.13s(6.0V)/0.12s(7.4V)

Torque: 14.5kg(6.0V)/16.6kg(7.4V)



HBL200

65g Titanium

Dimensions(mm): 40*20*39

Power Supply: 6.0~7.4V

Speed: 0.15s(6.0V)/0.14s(7.4V)

Torque: 19.5kg(6.0V)/22.6kg(7.4V)



HBL300

65g Titanium

Dimensions(mm): 40*20*39

Power Supply: 6.0~7.4V

Speed: 0.16s(6.0V)/0.15s(7.4V)

Torque: 28.5kg(6.0V)/30.6kg(7.4V)

DHV SERIES

HV Coreless Metal Mid Case Servo

高压空心杯铝中壳舵机



- HIGH VOLTAGE SYSTEM
- Aluminum Alloy Mid Case
- Coreless Motor
- 2s Lipo 7.4V



DMC SERIES

Digital Coreless Metal Mid Case Servo

高压空心杯铝中壳舵机



- DMC series
- CORELESS MOTOR
- Aluminum Alloy Mid Case
- Titanium Gear.



DHV045

63g Titanium

Dimensions(mm): 40*20*39

Power Supply: 6.0~7.4V

Speed: 0.04s(6.0V)/0.03s(7.4V)

Torque: 4.9kg(6.0V)/5.8kg(7.4V)



DHV090

63g Titanium

Dimensions(mm): 40*20*38

Power Supply: 6.0~7.4V

Speed: 0.07s(6.0V)/0.06s(7.4V)

Torque: 9.2kg(6.0V)/10.8kg(7.4V)



DHV150

63g Titanium

Dimensions(mm): 40*20*39

Power Supply: 6.0~7.4V

Speed: 0.08s(6.0V)/0.07s(7.4V)

Torque: 14.3kg(6.0V)/16.5kg(7.4V)



DMC045

63g Titanium

Dimensions(mm): 40*20*39

Power Supply: 4.8~6.0V

Speed: 0.07s(4.8V)/0.06s(6.0V)

Torque: 3.8kg(4.8V)/4.5kg(6.0V)



DMC090

63g Titanium

Dimensions(mm): 40*20*39

Power Supply: 4.8~6.0V

Speed: 0.12s(4.8V)/0.11s(6.0V)

Torque: 7.9kg(4.8V)/8.8kg(6.0V)



DMC150

63g Titanium

Dimensions(mm): 40*20*39

Power Supply: 4.8~6.0V

Speed: 0.14s(4.8V)/0.13s(6.0V)

Torque: 15.3kg(4.8V)/16.1kg(6.0V)



DHV200

63g Titanium

Dimensions(mm): 40*20*39

Power Supply: 6.0~7.4V

Speed: 0.10s(6.0V)/0.09s(7.4V)

Torque: 19.5kg(6.0V)/22.6kg(7.4V)



DHV300

63g Titanium

Dimensions(mm): 40*20*39

Power Supply: 6.0~7.4V

Speed: 0.13s(6.0V)/0.12s(7.4V)

Torque: 28.5kg(6.0V)/30.6kg(7.4V)



DMC200

63g Titanium

Dimensions(mm): 40*20*39

Power Supply: 4.8~6.0V

Speed: 0.15s(4.8V)/0.14s(6.0V)

Torque: 17.6kg(4.8V)/18.5kg(6.0V)



DMC300

63g Titanium

Dimensions(mm): 40*20*39

Power Supply: 4.8~6.0V

Speed: 0.16s(4.8V)/0.15s(6.0V)

Torque: 24.3kg(4.8V)/26.5kg(6.0V)

PRODUCT SIZE

产品尺寸

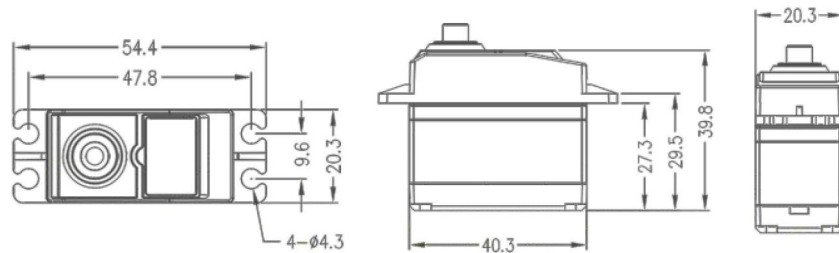
DMM SERIES

Digital Metal Gear Servo

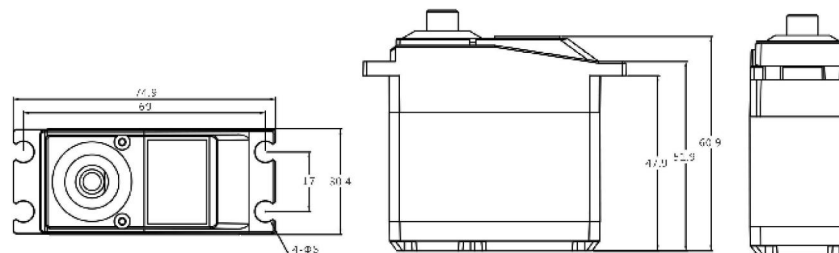
数码金属齿舵机



• Digital • Metal Gear • Aluminum Alloy Mid Case



适用于DMM/MM系列



适用于 DMM300/MM3000



DMM030

58g Metal

Dimensions(mm): 40*20*40

Power Supply: 4.8~6.0V

Speed: 0.13s(4.8V)/0.12s(6.0V)

Torque: 3.8kg(4.8V)/4.5kg(6.0V)



DMM060

58g Metal

Dimensions(mm): 40*20*40

Power Supply: 4.8~6.0V

Speed: 0.13s(4.8V)/0.12s(6.0V)

Torque: 5.8kg(4.8V)/6.5kg(6.0V)



DMM090

58g Metal

Dimensions(mm): 40*20*40

Power Supply: 4.8~6.0V

Speed: 0.14s(4.8V)/0.13s(6.0V)

Torque: 9.6kg(4.8V)/10.5kg(6.0V)



DMM150

58g Metal

Dimensions(mm): 40*20*40

Power Supply: 4.8~6.0V

Speed: 0.15s(4.8V)/0.13s(6.0V)

Torque: 15.5kg(4.8V)/16.3kg(6.0V)



DMM300

188g Metal

Dimensions(mm): 60*30*61

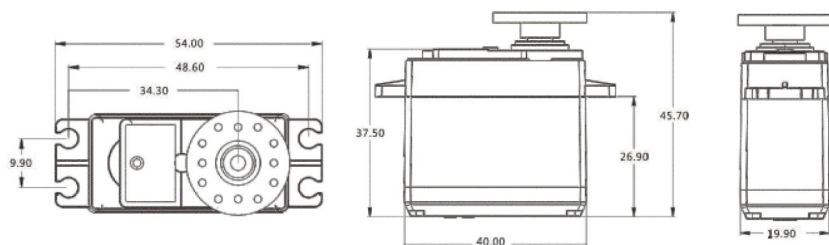
Power Supply: 4.8~6.0V

Speed: 0.20s(4.8V)/0.18s(6.0V)

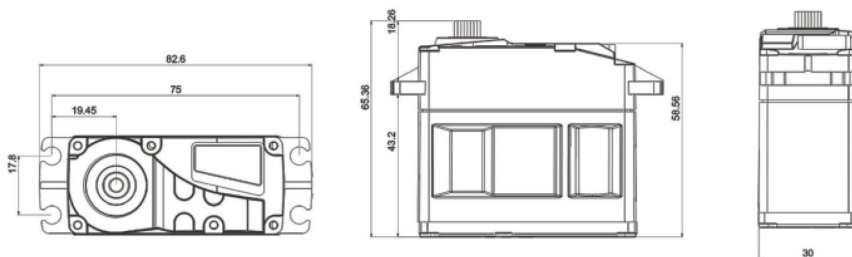
Torque: 28kg(4.8V)/35kg(6.0V)

PRODUCT SIZE

产品尺寸



适用于DM系列/M系列 标准尺寸



适用于DM4000/M4000

DM SERIES

Digital Metal Gear Servo

数码金属齿轮舵机



• Digital • Metal Gear • Aluminum Alloy Mid Case



DM0300

58g Metal

Dimensions(mm): 40*20*37.5

Power Supply: 4.8~6.0V

Speed: 0.13s(4.8V)/0.12s(6.0V)

Torque: 3.8kg(4.8V)/4.5kg(6.0V)



DM0600

58g Metal

Dimensions(mm): 40*20*37.5

Power Supply: 4.8~6.0V

Speed: 0.13s(4.8V)/0.12s(6.0V)

Torque: 5.8kg(4.8V)/6.5kg(6.0V)



DM0900

58g Metal

Dimensions(mm): 40*20*37.5

Power Supply: 4.8~6.0V

Speed: 0.14s(4.8V)/0.13s(6.0V)

Torque: 9.6kg(4.8V)/10.5kg(6.0V)



DM1500

58g Metal

Dimensions(mm): 40*20*37.5

Power Supply: 4.8~6.0V

Speed: 0.15s(4.8V)/0.13s(6.0V)

Torque: 15.5kg(4.8V)/16.3kg(6.0V)



DM4000

148g Metal

Dimensions(mm): 65.8*30*57.4

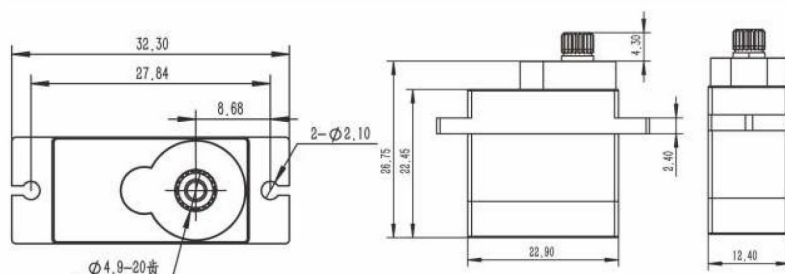
Power Supply: 6.0~8.4V

Speed: 0.15s(6.0V)/0.13s(7.4V)/0.11s(8.4V)

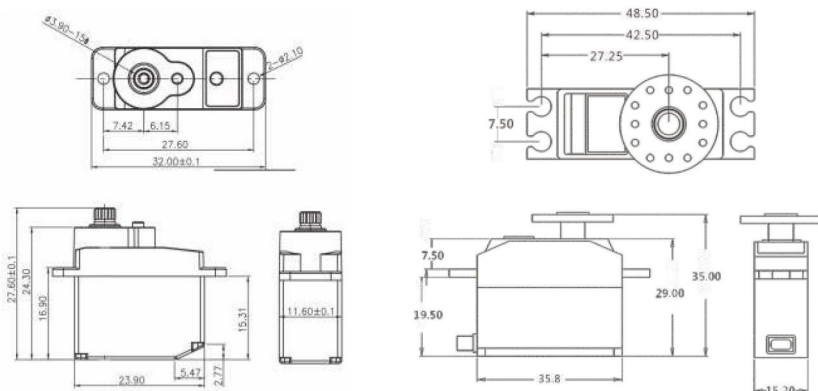
Torque: 42kg(6.0V)/50kg(7.4V)/54kg(8.4V)

PRODUCT SIZE

产品尺寸



适用于DM0090/M0090



适用于08YY

适用于DM0260/DM0261/M0260/M0261

DM SERIES

Digital metal gear micro and mini servo

微型/迷你数码金属齿舵机

专注舵机的设计·研发·制造



08YY

13g Metal • Digital

Dimensions(mm): 23.7*11.7*20.3

Power Supply: 4.8~8.4V

Speed: 0.13s(5.0V)/0.11s(8.4V)

Torque: 3kg(5.0V)/4kg(8.4V)



09YY

13g Metal • Digital

Dimensions(mm): 23*12*24.5

Power Supply: 4.8~8.4V

Speed: 0.16s(5.0V)/0.13s(8.4V)

Torque: 3.5kg(5.0V)/5.5kg(8.4V)



DM0090

14g Metal

Dimensions(mm): 22.4*12.5*22.8

Power Supply: 4.8~6.0V

Speed: 0.09s(4.8V)/0.08s(6.0V)

Torque: 1.7kg(4.8V)/1.9kg(6.0V)



DMB009

12.5g Metal

Dimensions(mm): 22.4*12.5*22.8

Power Supply: 4.8~6.0V

Speed: 0.11s(4.8V)/0.09s(6.0V)

Torque: 2.8kg(4.8V)/3.4kg(6.0V)



DM0170

21g Metal

Dimensions(mm): 30.4*13.5*29.5

Power Supply: 4.8~6.0V

Speed: 0.13s(4.8V)/0.11s(6.0V)

Torque: 1.8kg(4.8V)/2.2kg(6.0V)



DM0200

25g Metal

Dimensions(mm): 31*16.5*28.5

Power Supply: 4.8~6.0V

Speed: 0.13s(4.8V)/0.12s(6.0V)

Torque: 3kg(4.8V)/3.5kg(6.0V)



DM0260

28g Metal

Dimensions(mm): 35.5*15*29

Power Supply: 4.8~6.0V

Speed: 0.13s(4.8V)/0.12s(6.0V)

Torque: 3.6kg(4.8V)/4.0kg(6.0V)



DM0261

28g Metal

Dimensions(mm): 35.5*15*29

Power Supply: 4.8~6.0V

Speed: 0.07s(4.8V)/0.06s(6.0V)

Torque: 2.3kg(4.8V)/2.9kg(6.0V)

MM SERIES

Analog Metal Gear Servo

模拟金属齿舵机



- Analog
- Metal Gear
- Aluminum Alloy Mid Case



M SERIES

Analog Metal Gear Servo

模拟金属齿舵机



- Analog
- Metal Gear
- Aluminum Alloy Mid Case



MM0300

58g Metal

Dimensions(mm): 40*20*40

Power Supply: 4.8~6.0V

Speed: 0.13s(4.8V)/0.12s(6.0V)

Torque: 3.8kg(4.8V)/4.5kg(6.0V)



MM0600

58g Metal

Dimensions(mm): 40*20*40

Power Supply: 4.8~6.0V

Speed: 0.13s(4.8V)/0.12s(6.0V)

Torque: 5.8kg(4.8V)/6.5kg(6.0V)



MM0900

58g Metal

Dimensions(mm): 40*20*40

Power Supply: 4.8~6.0V

Speed: 0.14s(4.8V)/0.13s(6.0V)

Torque: 9.6kg(4.8V)/10.5kg(6.0V)



M0300

58g Metal

Dimensions(mm): 40*20*37.5

Power Supply: 4.8~6.0V

Speed: 0.13s(4.8V)/0.12s(6.0V)

Torque: 3.8kg(4.8V)/4.5kg(6.0V)



M0600

58g Metal

Dimensions(mm): 40*20*37.5

Power Supply: 4.8~6.0V

Speed: 0.13s(4.8V)/0.12s(6.0V)

Torque: 5.8kg(4.8V)/6.5kg(6.0V)



M0900

58g Metal

Dimensions(mm): 40*20*37.5

Power Supply: 4.8~6.0V

Speed: 0.14s(4.8V)/0.13s(6.0V)

Torque: 9.6kg(4.8V)/10.5kg(6.0V)



MM1500

58g Metal

Dimensions(mm): 40*20*40

Power Supply: 4.8~6.0V

Speed: 0.15s(4.8V)/0.13s(6.0V)

Torque: 15.5kg(4.8V)/16.3kg(6.0V)



MM3000

188g Metal

Dimensions(mm): 60*30*61

Power Supply: 4.8~6.0V

Speed: 0.20s(4.8V)/0.18s(6.0V)

Torque: 28kg(4.8V)/35kg(6.0V)



M1500

58g Metal

Dimensions(mm): 40*20*37.5

Power Supply: 4.8~6.0V

Speed: 0.15s(4.8V)/0.13s(6.0V)

Torque: 15.5kg(4.8V)/16.3kg(6.0V)



MM4000

148g Metal

Dimensions(mm): 65.8*30*57.4

Power Supply: 6.0~8.4V

Speed: 0.15s(6.0V)/0.13s(7.4V)/0.15s(8.4V)

Torque: 42kg(6.0V)/50kg(7.4V)/54kg(8.4V)

M SERIES

Analog metal gear micro and mini servo

模拟金属舵机



M0090

14g Metal

Dimensions(mm): 22.4*12.5*22.8
Power Supply: 4.8~6.0V
Speed: 0.09s(4.8V)/0.08s(6.0V)
Torque: 1.7kg(4.8V)/1.9kg(6.0V)



MB0090

12.5g Metal

Dimensions(mm): 22.4*12.5*22.8
Power Supply: 4.8~6.0V
Speed: 0.11s(4.8V)/0.09s(6.0V)
Torque: 2.8kg(4.8V)/3.4kg(6.0V)



M0170

21g Metal

Dimensions(mm): 30.4*13.5*29.5
Power Supply: 4.8~6.0V
Speed: 0.13s(4.8V)/0.11s(6.0V)
Torque: 1.8kg(4.8V)/2.2kg(6.0V)



M0200

25g Metal

Dimensions(mm): 31*16.5*28.5
Power Supply: 4.8~6.0V
Speed: 0.13s(4.8V)/0.12s(6.0V)
Torque: 3kg(4.8V)/3.5kg(6.0V)



M0260

28g Metal

Dimensions(mm): 35.5*15*29
Power Supply: 4.8~6.0V
Speed: 0.13s(4.8V)/0.12s(6.0V)
Torque: 3.6kg(4.8V)/4.0kg(6.0V)



M0261

28g Metal

Dimensions(mm): 35.5*15*29
Power Supply: 4.8~6.0V
Speed: 0.07s(4.8V)/0.06s(6.0V)
Torque: 2.3kg(4.8V)/2.9kg(6.0V)

DMM SERIES

Digital Micro Servo with Aluminum Mid Case

数码半铝微型舵机



DMM012

14g Metal • Digital

Dimensions(mm): 23.5*12.2*20.6
Power Supply: 4.8~6.0V
Speed: 0.12s(4.8V)/0.11s(6.0V)
Torque: 1.9kg(4.8V)/2.3kg(6.0V)



DMM016

15.5g Metal • Digital

Dimensions(mm): 23.5*12.2*23.1
Power Supply: 4.8~6.0V
Speed: 0.14s(4.8V)/0.12s(6.0V)
Torque: 2kg(4.8V)/3kg(6.0V)



DMM0090

14g Metal • Digital

Dimensions(mm): 22.4*12.5*22.8
Power Supply: 4.8~6.0V
Speed: 0.1s(4.8V)/0.09s(6.0V)
Torque: 2.3kg(4.8V)/3.2kg(6.0V)

MM SERIES

Analog Micro Servo with Aluminum Mid Case

模拟半铝微型舵机



MM0090

14g Metal • Analog

Dimensions(mm): 22.4*12.5*22.8
Power Supply: 4.8~6.0V
Speed: 0.1s(4.8V)/0.09s(6.0V)
Torque: 2.3kg(4.8V)/3.2kg(6.0V)



MM0120

14g Metal • Analog

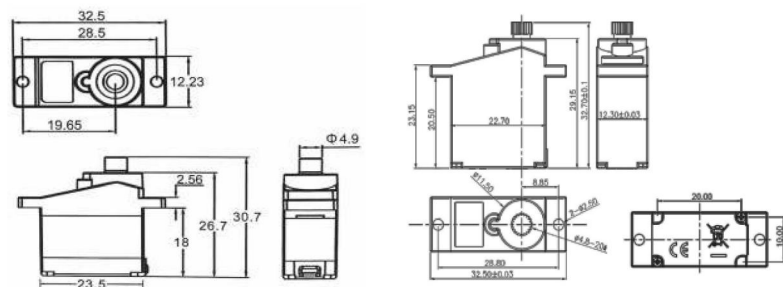
Dimensions(mm): 23.5*12.2*20.6
Power Supply: 4.8~6.0V
Speed: 0.12s(4.8V)/0.11s(6.0V)
Torque: 1.9kg(4.8V)/2.3kg(6.0V)



MM0160

15.5g Metal • Analog

Dimensions(mm): 23.5*12.2*23.1
Power Supply: 4.8~6.0V
Speed: 0.14s(4.8V)/0.12s(6.0V)
Torque: 2kg(4.8V)/3kg(6.0V)



适用于DMM012/MM0120/DPB120/PB0120

适用于DMM016/MM0160/DPB160/PB0160

DPB SERIES PB SERIES

Half Aluminum Plastic Gear Micro Servo
半铝胶齿微型舵机



PB0120

11g Metal • Analog

Dimensions(mm):23.5*12.2*20.6
Power Supply:4.8~6.0V
Speed:0.14s(4.8V)/0.12s(6.0V)
Torque:2.1kg(4.8V)/2.3kg(6.0V)



DPB120

11g Metal • Digital

Dimensions(mm):23.5*12.2*20.6
Power Supply:4.8~6.0V
Speed:0.14s(4.8V)/0.12s(6.0V)
Torque:2.1kg(4.8V)/2.3kg(6.0V)

DPB160

12g Metal • Digital

Dimensions(mm):23.5*12.2*23.1
Power Supply:4.8~6.0V
Speed:0.15s(4.8V)/0.13s(6.0V)
Torque:2.3kg(4.8V)/2.5kg(6.0V)

PB0160

12g Metal • Analog

Dimensions(mm):23.5*12.2*23.1
Power Supply:4.8~6.0V
Speed:0.15s(4.8V)/0.13s(6.0V)
Torque:2.3kg(4.8V)/2.5kg(6.0V)

DP SERIES

Digital Plastic Gear Servo

数码胶齿舵机



DP0090

9g Plastic

Dimensions(mm):22.4*12.5*23
Power Supply:4.8~6.0V
Speed:0.10s(4.8V)/0.09s(6.0V)
Torque:1.6kg(4.8V)/1.8kg(6.0V)



P0090FH

9g Plastic

Dimensions(mm):22.7*12.3*22.6
Power Supply:4.8~6.0V
Speed:0.10s(4.8V)/0.12s(6.0V)
Torque:1.2kg(4.8V)/1.5kg(6.0V)



DP0200

16g Plastic

Dimensions(mm):31*16.5*28.5
Power Supply:4.8~6.0V
Speed:0.14s(4.8V)/0.13s(6.0V)
Torque:2.8kg(4.8V)/3.3kg(6.0V)



DP0260

26g Plastic

Dimensions(mm):35.5*15*29
Power Supply:4.8~6.0V
Speed:0.13s(4.8V)/0.11s(6.0V)
Torque:3.5kg(4.8V)/3.8kg(6.0V)



DP0261

26g Plastic

Dimensions(mm):35.5*15*29
Power Supply:4.8~6.0V
Speed:0.09s(4.8V)/0.08s(6.0V)
Torque:2.2kg(4.8V)/2.5kg(6.0V)



DP0300

38g Plastic

Dimensions(mm):40*20*37.5
Power Supply:4.8~6.0V
Speed:0.15s(4.8V)/0.13s(6.0V)
Torque:3.2kg(4.8V)/3.6kg(6.0V)



DP0600

40g Plastic

Dimensions(mm):40*20*37.5
Power Supply:4.8~6.0V
Speed:0.15s(4.8V)/0.13s(6.0V)
Torque:6.5kg(4.8V)/6.8kg(6.0V)

PRODUCT SIZE

产品尺寸

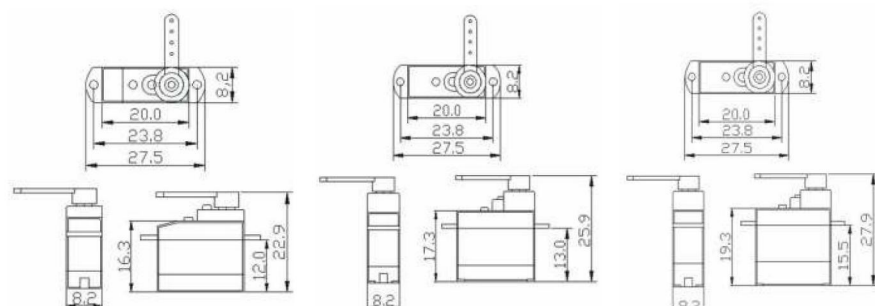
DP SERIES

Digital Plastic Gear Servo

数码胶齿舵机



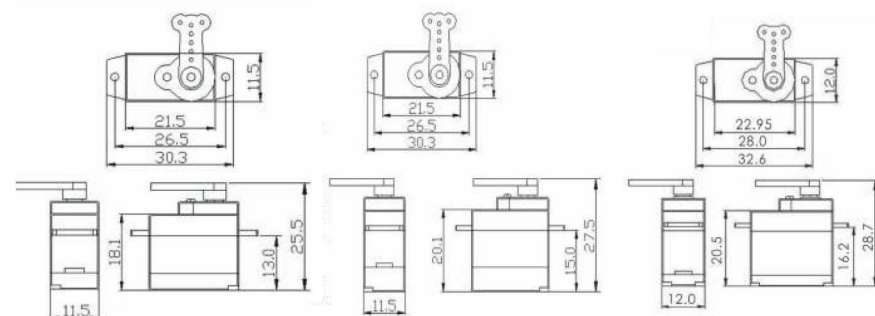
• Digital • Plastic • Aluminum Alloy Mid Case



适用于DP0025/P0025

适用于DP0037/P0037

适用于DP0043/P0043



适用于DP0050/P0050

适用于DP0060/P0060

适用于DP0080/P0080



DP0025

2.5g Plastic

Dimensions(mm):20*8.2*16.3

Power Supply:4.8~6.0V

Speed:0.08s(4.8V)/0.07s(6.0V)

Torque:0.7kg(4.8V)/0.8kg(6.0V)



DP0037

3.7g Plastic

Dimensions(mm):20*8.2*17.3

Power Supply:4.8~6.0V

Speed:0.08s(4.8V)/0.07s(6.0V)

Torque:0.75kg(4.8V)/0.85kg(6.0V)



DP0043

4.3g Plastic

Dimensions(mm):20*8.2*19.3

Power Supply:4.8~6.0V

Speed:0.08s(4.8V)/0.07s(6.0V)

Torque:0.8kg(4.8V)/0.9kg(6.0V)



DP0050

5g Plastic

Dimensions(mm):21.5*11.5*18

Power Supply:4.8~6.0V

Speed:0.01s(4.8V)/0.08s(6.0V)

Torque:0.8kg(4.8V)/1kg(6.0V)



DP0060

6g Plastic

Dimensions(mm):21.5*11.5*20

Power Supply:4.8~6.0V

Speed:0.11s(4.8V)/0.09s(6.0V)

Torque:1kg(4.8V)/1.2kg(6.0V)



DP0080

8g Plastic

Dimensions(mm):23*12*20.5

Power Supply:4.8~6.0V

Speed:0.12s(4.8V)/0.1s(6.0V)

Torque:1.3kg(4.8V)/1.4kg(6.0V)

P SERIES

Analog Plastic Gear Servo

模拟胶齿舵机



- Analog
- Plastic
- Aluminum Alloy Mid Case

P SERIES

Analog Plastic Gear Servo

模拟胶齿舵机



- Analog
- Plastic
- Aluminum Alloy Mid Case



P0025

2.5g Plastic

Dimensions(mm):20*8.2*16.3

Power Supply:4.8~6.0V

Speed:0.08s(4.8V)/0.07s(6.0V)

Torque:0.7kg(4.8V)/0.8kg(6.0V)



P0037

3.7g Plastic

Dimensions(mm):20*8.2*17.3

Power Supply:4.8~6.0V

Speed:0.08s(4.8V)/0.07s(6.0V)

Torque:0.75kg(4.8V)/0.85kg(6.0V)



P0043

4.3g Plastic

Dimensions(mm):20*8.2*19.3

Power Supply:4.8~6.0V

Speed:0.08s(4.8V)/0.07s(6.0V)

Torque:0.8kg(4.8V)/0.9kg(6.0V)



P0090

9g Plastic

Dimensions(mm):22.4*12.5*23

Power Supply:4.8~6.0V

Speed:0.1s(4.8V)/0.09s(6.0V)

Torque:1.6kg(4.8V)/1.8kg(6.0V)



P0200

16g Plastic

Dimensions(mm):31*16.5*28.5

Power Supply:4.8~6.0V

Speed:0.14s(4.8V)/0.13s(6.0V)

Torque:2.8kg(4.8V)/3.3kg(6.0V)



P0260

26g Plastic

Dimensions(mm):35.5*15*29

Power Supply:4.8~6.0V

Speed:0.13s(4.8V)/0.11s(6.0V)

Torque:3.5kg(4.8V)/3.8kg(6.0V)



P0050

5g Plastic

Dimensions(mm):21.5*11.5*18

Power Supply:4.8~6.0V

Speed:0.10s(4.8V)/0.08s(6.0V)

Torque:0.8kg(4.8V)/1kg(6.0V)



P0060

6g Plastic

Dimensions(mm):21.5*11.5*20

Power Supply:4.8~6.0V

Speed:0.11s(4.8V)/0.09s(6.0V)

Torque:1kg(4.8V)/1.2kg(6.0V)



P0080

8g Plastic

Dimensions(mm):23*12*20.5

Power Supply:4.8~6.0V

Speed:0.12s(4.8V)/0.1s(6.0V)

Torque:1.3kg(4.8V)/1.4kg(6.0V)



P0261

26g Plastic

Dimensions(mm):35.5*15*29

Power Supply:4.8~6.0V

Speed:0.09s(4.8V)/0.08s(6.0V)

Torque:2.2kg(4.8V)/2.5kg(6.0V)



P0300

38g Plastic

Dimensions(mm):40*20*37.5

Power Supply:4.8~6.0V

Speed:0.15s(4.8V)/0.13s(6.0V)

Torque:3.2kg(4.8V)/3.6kg(6.0V)



P0600

40g Plastic

Dimensions(mm):40*20*37.5

Power Supply:4.8~6.0V

Speed:0.15s(4.8V)/0.13s(6.0V)

Torque:6.5kg(4.8V)/6.8kg(6.0V)

Robotic Servo and Ultra High Torque Servo

机器人舵机和超大扭力舵机



RC03T

Dimension: 20.5*11.0*17.6mm
Weight: 8.5g
Voltage Range: DC 4.8-6.0V
Stall Torque: 1.0kgcm/4.8V/60°
1.4kgcm/6.0V/60°
No Load Speed: 0.09s/4.8V/60°
0.08s/6.0V/60°
Motor Type: Coreless
Running Degree: 180°
Communication Method: PWM(deadband 1-2μs)
NO.of Wire: 3Pin
Position Sensor: Potentiometer
Case: CNC Aluminium Alloy
Spline: 13T



RC05P

Dimension: 23.2*12*27.8mm³/0.9*0.5*1.1in³
Weight: 24.4g/0.9oz
Voltage Range: DC 4.8-8.4V
Rated Voltage: 24.4g/0.9oz
Stall Torque: 0.5N.M(5.1kg.cm)
No load Speed: 142.8rpm(0.07s/60°)
Motor Type: Coreless
Resolution: 0.23°
Running Degree: 0-180°
Communication Method: PWM(deadband 1-2μs)
NO.of Wire: 4Pin
Position Sensor: Magnetic encoder
Case: CNC Aluminium Alloy
Gear: 7075 Aluminium Coated With Titanium



RS401

Dimension: 67.33*67.65*26.2mm
Weight: 84 g
Voltage Range: DC 4.8V ~ 7.4V
Rated Voltage: 6.6V
Clutch Torque: 4kg·cm
No load Speed: 6.45 sec/60°
Motor Type: Cored Motor
Operating travel: 290°±5°
Communication Method: PWM/ TTL
NO.of Wire: 5Pin
Feedback: Position, Speed
Position Sensor: Potentiometer
Shell: Engineering Plastic
Gear: Plastic



RD13T

Dimension: 44.1*22.4*29.2mm³/1.7*0.9*1.1in³
Weight: 46.5g/1.6oz
Voltage Range: DC 4.8-8.4V
Rated Voltage: 6.0V
Stall Torque: 1.28N.M(13kg.cm)
No load Speed: 34.5rpm(0.29s/60°)
Motor Type: Cored Motor
Resolution: 0.29° Running Degree: 0-300°
Mode: Servo/Wheel Mode(endless rotation)
Communication Method:
TTL(Up To 115200 baud rate)
NO.of Wire: 4Pin
Feedback: Position,Speed,Load
Position Sensor: Magnetic encoder
Case: Engineering Plastic
Gear: 7075 Aluminium Coated With Titanium



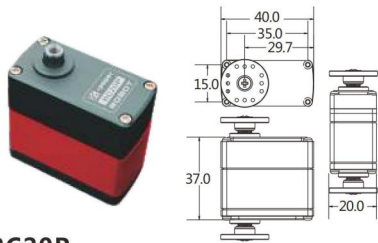
RC40R

Dimension: 45*32*35mm³/1.8*1.3*1.4in³
Weight: 68g/2.4oz
Voltage Range: DC 9.0-14.8V
Rated Voltage: 12V
Stall Torque: 4.5N.M(46kg.cm)
No load Speed: 47.2rpm(0.21s/60°)
Motor Type: Coreless NO.of Wire: 4Pin
Resolution: 0.35° Running Degree: 0-360°
Mode: Servo/Wheel Mode(endless rotation)
Communication Method: RS485(Up To 115200 baud rate)
Output shaft: 8mm,35T ID: 0-254
Position Sensor: Magnetic encoder
Case: CNC Aluminium Alloy
Gear: 7075 Aluminium Coated With Titanium
Feature: Users can change the baud rate and ID on demand
High torque,versatile connections with wire-hidden slots



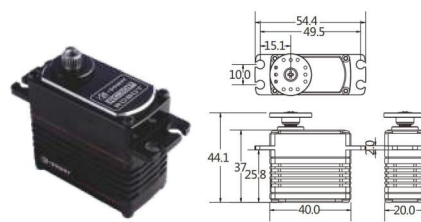
RC42P

Dimension: 40*20*39.6mm³/1.6*0.8*1.6in³
Weight: 65g/2.3oz
Voltage Range: DC 4.8-8.4V
Rated Voltage: 7.4V
Stall Torque: 4.12N.M(42kg.cm)
No load Speed: 59rpm(0.17s/60°)
Motor Type: Coreless
Resolution: 0.32°
Running Degree: 0-300°
Mode: Servo/Wheel Mode(endless rotation)
Communication Method:
PWM(deadband 1-2μs)
NO.of Wire: 4Pin Feedback: Position
Position Sensor: Magnetic encoder
Case: CNC Aluminium Alloy
Gear: 7075 Aluminium Coated With Titanium



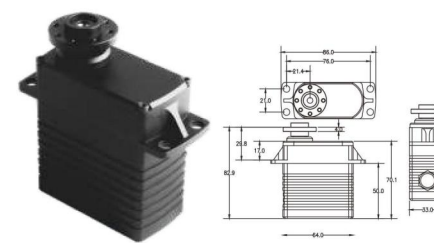
RC20P

Dimension: 40*20*37mm³/1.6*0.8*1.5in³
Weight: 65g/2.3oz
Voltage Range: DC 4.8-8.4V
Rated Voltage: 7.4V
Stall Torque: 2.1N.M(21kg.cm)
No load Speed: 50rpm(0.2s/60°)
Motor Type: Coreless
Resolution: 0.23°
Running Degree: 0-180°
Communication Method: PWM(deadband 1-2μs)
NO.of Wire: 3Pin
Position Sensor: Potentiometer
Case: CNC Aluminium Alloy
Gear: 7075 Aluminium Coated With Titanium



RC30P

Dimension: 40*20*37mm³/1.6*0.8*1.5in³
Weight: 60g/2.1oz
Voltage Range: DC 4.8-8.4V
Rated Voltage: 7.4V
Stall Torque: 3.14N.M(32kg.cm)
No load Speed: 66.6rpm(0.15s/60°)
Motor Type: Coreless
Resolution: 0.35° Running Degree: 0-360°
Mode: Servo/Wheel Mode(endless rotation)
Communication Method: PWM(deadband 1-2μs)
NO.of Wire: 4Pin
Position Sensor: Magnetic encoder
Case: CNC Aluminium Alloy
Gear: 7075 Aluminium Coated With Titanium



HB150T

Dimension: 64*33*70.1mm³/2.5*1.3*2.8in³
Weight: 345g/12.2oz
Voltage Range: DC 10-14.8V
Rated Voltage: 12V
Stall Torque: 15.2N.M(155kg.cm)
No load Speed: 62.5rpm(0.16s/60°)
Motor Type: Brushless
Resolution: 0.23° Running Degree: 0-180°
Mode: Servo/Wheel Mode(endless rotation)
Communication Method: PWM(deadband 1-2μs)
NO.of Wire: 5Pin
Position Sensor: Potentiometer
Case: CNC Aluminium Alloy
Gear: 7075 Aluminium Coated With Titanium



RDM200T

Dimension: 69*48*56mm
Weight: : 300g
Rated Voltage: 12V
Voltage Range: DC 6.0-13.2V
Stall Torque: 20N.M(200kg.cm)
No load Speed: 0.17sec/60° ; 55.5rpm
Motor Type: Coreless
Running Degree: 0-360°
Communication Method: TTL
(Up To 115200 baud rate)
NO.of Wire: 3Pin
Position Sensor: Magnetic encoder
Case: Aluminium Alloy
Gear: 7075 Aluminium Coated With Titanium