KING MAX HOBBY®

Professional servos and related electronic equipments manufacturer

RC伺服器专业制造商

2026 产品手册2026 PRODUCTS CATALOG



CAR SERVOS

HELICOPTER SERVOS

UAV SERVOS

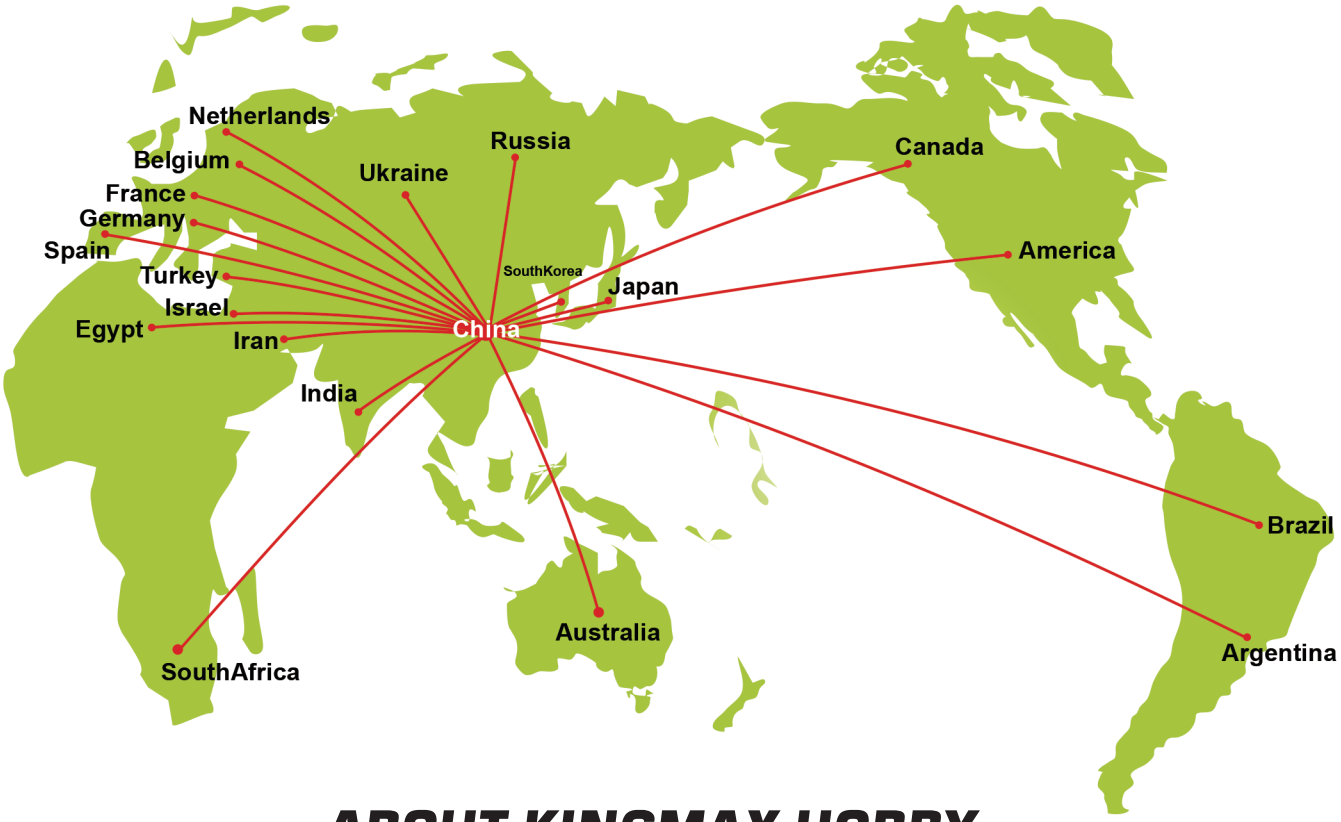
AIRPLANE SERVOS

GLIDER SERVOS

SAIL WINCH SERVOS

ROBOT SERVOS

INDUSTRIAL SERVOS



ABOUT KINGMAX HOBBY

KINGMAX HOBBY Co., Limited was founded in Hong Kong in 2004, specialize in designing, manufacturing and selling high quality servos for RC models, UAV, robots and some related high-end electronic products. Adhering to the idea “people-oriented, quality-first; customer-oriented, continuous innovation”, great efforts have been made and we’ve gained much experience in product research, design and distribution channel. We accelerate the development of our products with the purpose of being the market leader of the industry. Meanwhile, We’ve been released a series of digital servos into the overseas market with the advanced electronic technology, which makes better quality products with competitive price. After all these years of efforts, KINGMAX is considered to be a well-known company as the products were well sold at home and abroad, received great favor by the customers.

KINGMAX is always pursuing for innovation and we’re keeping supplying high quality products to meet your satisfaction. However, we’re now hunting for the distributors and retailers as well as the OEM or ODM orders are all welcomed. We’re committed to providing you the best products and the service ever. We feel great honor if we could establish a long-term and win-win cooperation.



SUPPLIER'S DECLARATION OF CONFORMITY

ATTESTATION

The Product has been tested and found compliance with the requirement of 47 CFR of PART 15 limit for radiation and conduction emission.

Based on the following criteria and procedures, product complies with FCC rules conformity assessment.

Certificate's Holder	:	KINGMAX HOBBY CO., LTD.
Address	:	Area 39, Weijian Rd, Chashan Industrial Park, Chashan Town, Dongguan, China
Manufacturer	:	KINGMAX HOBBY CO., LTD.
Address	:	Area 39, Weijian Rd, Chashan Industrial Park, Chashan Town, Dongguan, China
Product Name	:	Brushless servo
Product Model (S)	:	KM5308MDHV; Serial model(s) see Attachment
Trade Mark	:	N/A
Procedure	:	ANSI C63.4:2019
Related Standards	:	FCC Part 15 Subpart B
Certificate Number	:	HK2302060227E
Report No.	:	HK2302060227-1ER
Registration Date	:	Feb. 09, 2023

Shenzhen HUAK Testing Technology Co., Ltd.



Certificate of Compliance

Certificate Number: BCTC-LH181103110C

Applicant	:	KINGMAX HOBBY CO., LTD Area 39, Weijian Rd, Chashan Industrial Park, Chashan Town, Dongguan, China
Manufacturer	:	KINGMAX HOBBY CO., LTD Area 39, Weijian Rd, Chashan Industrial Park, Chashan Town, Dongguan, China
Product	:	Brush rudder
Trademark	:	KINGMAX
Test Model	:	CLS03S
ADD Model	:	KM-02D, KM-04MD, KM-04MDHV, KM-05A, KM-05D, KM0918A, KM0918D, KM0930MD, KM0940MD, KM0940MA, KM0950MD, KM0950MDHV, KM1203MD, KM1703A, KM1703MA, KM1703MD, KM7032MDHV, CLS0080S, DCS2107, CLS2025HHV, CLS2035HHV, CLS2845H, CLS2875H, CLS4406HHV, CLS4411HHV, DCS2618HV, CLS0505ML, CLS1009ML, CLS0604M, CLS0808M, CLS1515M, CLS4211S CLS015L, CLS025L, CLS01L, CLS02L, CLS03L, CLS04L, CLS01S, CLS02S, CLS03S, CLS04S, CLS3511S,CLS3039W, KM2607MD, CLS0512W, CLS0612W, CLS0911W,RB1224, RB5529
Test Standard	:	EN 61000-6-1:2017 EN 61000-6-3:2007+A1:2011+AC:2012 EN 61000-3-2:2014, EN 61000-3-3:2013

The EUT described above has been tested according to the listed standards and found in compliance with the council EMC directive 2014/30/EU. The observations and test results referenced from this Certificate are relevant only to the sample tested. This Certificate is for the exclusive use of BCTC's Client and is provided pursuant to the agreement between BCTC and its Client. This Certificate is part of the full test report(s) and should be read in conjunction with report No. : BCTC-LH181103110E.

This certificate of conformity is based on a single evaluation of the submitted sample(s) of the above mentioned product. It does not imply an assessment of the whole product and relevant. Directives have to be observed.

Tel: 400-788-9558 0755-33019988

Http://www.bctc-lab.com Http://www.bctc-lab.com.cn



Certificate of Compliance

Certificate Number: BCTC-LH181002890C

Applicant	:	KINGMAX HOBBY CO., LTD. Area 39, Weijian Rd, Chashan Industrial Park, Chashan Town, Dongguan, China.
Manufacturer	:	KINGMAX HOBBY CO., LTD. Area 39, Weijian Rd, Chashan Industrial Park, Chashan Town, Dongguan, China.
Product	:	Servos
Trademark	:	KINGMAX
M/N	:	BLS3511S CLS3511S, BLS4510S ,BLS5513S
Test Standard	:	EN60529:1991+A1:2000+A2:2013

The EUT described above has been tested by us with the listed standards and found in compliance with the council LVD directive 2014/35/EU. It is possible to use IP marking to demonstrate the compliance with this LVD Directive. It is only valid in connection with the test report number: BCTC-LH181002890S.

IPX8

Oct. 29, 2018

This certificate of conformity is based on a single evaluation of the submitted sample(s) of the above mentioned product. It does not imply an assessment of the whole product and relevant. Directives have to be observed.

Tel: 400-788-9558 0755-33019988

Http://www.bctc-lab.com Http://www.bctc-lab.com.cn



证书号第16139059号

实用新型专利证书

实用新型名称：一种新型舵机输出轴

发 明 人：曹新泉;覃光元

专 利 号：ZL 2021 2 1924476.6

专利申请日：2021 年 08 月 17 日

专 利 权 人：东莞劲数电气科技有限公司
广东碧凌航空拍摄科技有限公司

地 址：523000 广东省东莞市寮步镇西溪村金兴东路 28 号一楼

授权公告日：2022 年 04 月 01 日 授权公告号：CN 216158089 U

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局长
申长雨

第 1 页 (共 2 页)



证书号第16139237号

实用新型专利证书

实用新型名称：一种新型伺服器

发 明 人：曹新泉;覃光元

专 利 号：ZL 2021 2 2123734.7

专利申请日：2021 年 09 月 04 日

专 利 权 人：东莞劲数电气科技有限公司
广东碧凌航空拍摄科技有限公司

地 址：523000 广东省东莞市寮步镇西溪村金兴东路 28 号一楼

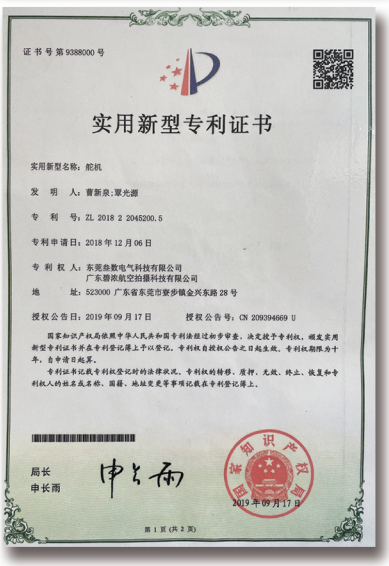
授权公告日：2022 年 04 月 01 日 授权公告号：CN 216158237 U

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局长
申长雨

第 1 页 (共 2 页)



证书号第9388000号

实用新型专利证书

实用新型名称：舵机

发 明 人：曹新泉;覃光源

专 利 号：ZL 2018 2 2045200.5

专利申请日：2018 年 12 月 06 日

专 利 权 人：东莞劲数电气科技有限公司
广东碧凌航空拍摄科技有限公司

地 址：523000 广东省东莞市寮步镇金兴东路 28 号

授权公告日：2019 年 09 月 17 日 授权公告号：CN 209394669 U

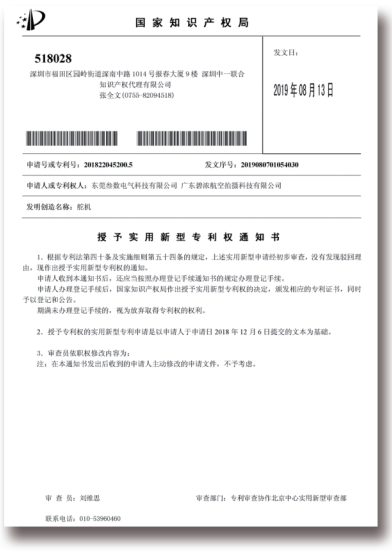
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局长
申长雨

2019 年 09 月 17 日

第 1 页 (共 2 页)



国 家 知 识 产 权 局

518028

深圳市福田区园岭街道深南中路 1014 号新春大厦 9 楼 深圳中一联合知识产权代理有限公司
张全文 (0755-82094518)

发文日：2019 年 08 月 13 日

申请号或专利号：201822045200.5 发文序号：2019080701054030

申请人或专利权人：东莞劲数电气科技有限公司 广东碧凌航空拍摄科技有限公司

发明创造名称：舵机

授 予 实 用 新 型 专 利 权 通 知 书

1、根据专利法第四十条及实施细则第五十四条的规定，上述实用新型申请经初步审查，没有发现驳回理由，现作出授予实用新型专利权的通知。

申请人收到本通知书后，还应当按照办理登记手续通知书的规定办理登记手续。

申请人办理登记手续后，国家知识产权局作出授予实用新型专利权的决定，颁发相应的专利证书，同时予以登记和公告。

期满未办理登记手续的，视为放弃取得专利权的权利。

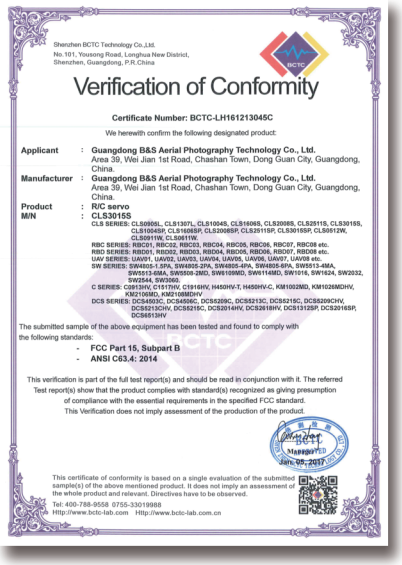
2、授予专利权的实用新型专利申请是以申请人于申请日 2018 年 12 月 6 日提交的文本为基础。

3、审查员依职权修改内容为：

注：在本通知书发出后收到的申请人主动修改的申请文件，不予考虑。

审 查 员：刘维思 审查部门：专利审查协作北京中心实用新型审查部

联系电话：010-53960460



Shenzhen BCTC Technology Co.,Ltd.
No.101, Yousong Road, Longhua New District, Shenzhen, Guangdong, P.R.China

Verification of Conformity

Certificate Number: BCTC-LH161213045C

We herewith confirm the following designated product:

Applicant	:	Guangdong B&S Aerial Photography Technology Co., Ltd. Area 39, Wei Jian 1st Road, Chashan Town, Dong Guan City, Guangdong, China.
Manufacturer	:	Guangdong B&S Aerial Photography Technology Co., Ltd. Area 39, Wei Jian 1st Road, Chashan Town, Dong Guan City, Guangdong, China.
Product	:	R/C servo
M/N	:	CLS3015S CLS SERIES: CLS0908L, CLS1307L, CLS1004S, CLS1606S, CLS2008S, CLS2511S, CLS3015S, CLS1004SP, CLS1606SP, CLS2008SP, CLS2511SP, CLS3015SP, CLS0612W, CLS0911W, CLS0611W. RBC SERIES: RBC01, RBC02, RBC03, RBC04, RBC05, RBC06, RBC07, RBC08 etc. RBD SERIES: RBD01, RBD02, RBD03, RBD04, RBD05, RBD06, RBD07, RBD08 etc. UAV SERIES: UAV01, UAV02, UAV03, UAV04, UAV05, UAV06, UAV07, UAV08 etc. SW SERIES: SW4805-1.5PA, SW4805-2PA, SW4805-4PA, SW4805-6PA, SW5513-4MA, SW5513-6MA, SW5509-2MD, SW6109MD, SW6114MD, SW1015, SW1624, SW2032, SW2544, SW3060. C SERIES: C9813HV, C1517HV, C1916HV, H450HV-T, H450HV-C, KM1002MD, KM1026MDHV, KM2106MD, KM2108MDHV. DCS SERIES: DCS4403C, DCS4556C, DCS5209C, DCS5213C, DCS5215C, DCS5209CHV, DCS5213CHV, DCS5215C, DCS2014HV, DCS2618HV, DCS1312SP, DCS2016SP, DCS4513HV

The submitted sample of the above equipment has been tested and found to comply with the following standards:

- FCC Part 15, Subpart B
- ANSI C63.4: 2014

This verification is part of the full test report(s) and should be read in conjunction with it. The referred Test report(s) show that the product complies with standard(s) recognized as giving presumption of compliance with the essential requirements in the specified FCC standard.

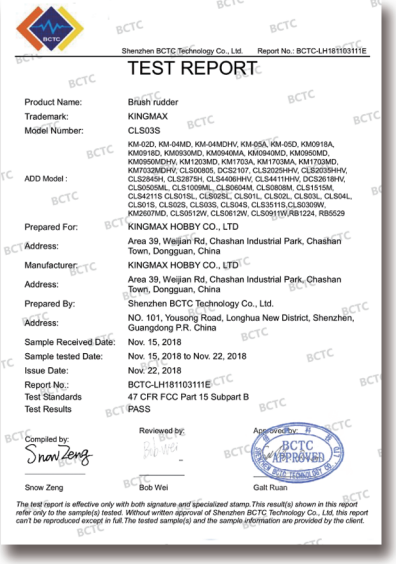
This Verification does not imply assessment of the production of the product.

Jan. 05, 2017

This certificate of conformity is based on a single evaluation of the submitted sample(s) of the above mentioned product. It does not imply an assessment of the whole product and relevant. Directives have to be observed.

Tel: 400-788-9558 0755-33019988

Http://www.bctc-lab.com Http://www.bctc-lab.com.cn



Shenzhen BCTC Technology Co., Ltd. Report No.: BCTC-LH181103111E

TEST REPORT

Product Name:		Brush rudder
Trademark:		KINGMAX
Model Number:		CLS03S
ADD Model :		KM-02D, KM-04MD, KM-04MDHV, KM-05A, KM-05D, KM0918A, KM0918D, KM0930MD, KM0940MA, KM0940MD, KM0950MD, KM0950MDHV, KM1203MD, KM1703A, KM1703MA, KM1703MD, KM7032MDHV, CLS00805, DCS2107, CLS2025HHV, CLS2035HHV, CLS2845H, CLS2875H, CLS4406HHV, CLS4411HHV, DCS2618HV, CLS0505ML, CLS1009ML, CLS0604M, CLS0808M, CLS1515M, CLS4211S CLS015L, CLS025L, CLS01L, CLS02L, CLS03L, CLS04L, CLS01S, CLS02S, CLS03S, CLS04S, CLS3511S, CLS3039W, KM2607MD, CLS0512W, CLS0612W, CLS0911W,RB1224, RB5529
Prepared For:		KINGMAX HOBBY CO., LTD
Address:		Area 39, Weijian Rd, Chashan Industrial Park, Chashan Town, Dongguan, China
Manufacturer:		KINGMAX HOBBY CO., LTD
Address:		Area 39, Weijian Rd, Chashan Industrial Park, Chashan Town, Dongguan, China
Prepared By:		Shenzhen BCTC Technology Co., Ltd.
Address:		NO. 101, Yousong Road, Longhua New District, Shenzhen, Guangdong P.R. China
Sample Received Date:		Nov. 15, 2018
Sample tested Date:		Nov. 15, 2018 to Nov. 22, 2018
Issue Date:		Nov. 22, 2018
Report No.:		BCTC-LH181103111E
Test Standards		47 CFR FCC Part 15 Subpart B
Test Results		PASS

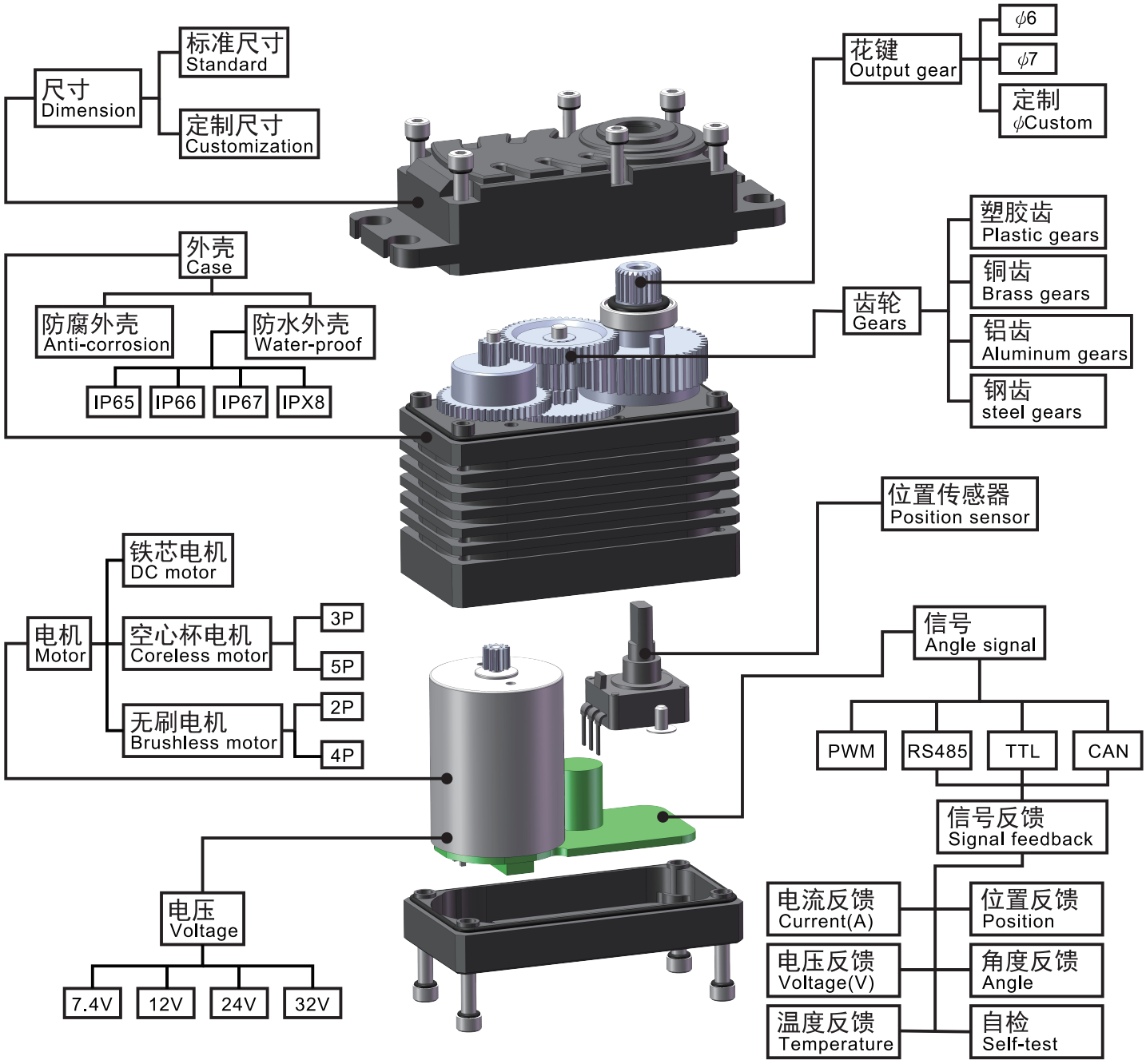
Compiled by: Snow Zeng

Reviewed by: Bob Wei

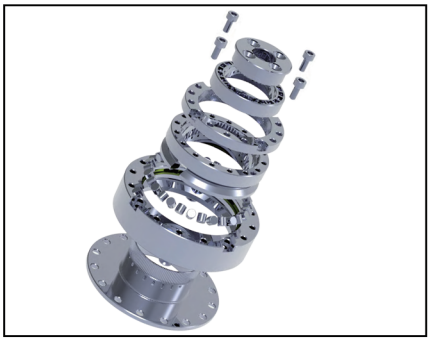
Approved by: Galt Ruan

The test report is effective only with both signature and specialized stamp.This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen BCTC Technology Co., Ltd, this report can't be reproduced except in full.The tested sample(s) and the sample information are provided by the client.

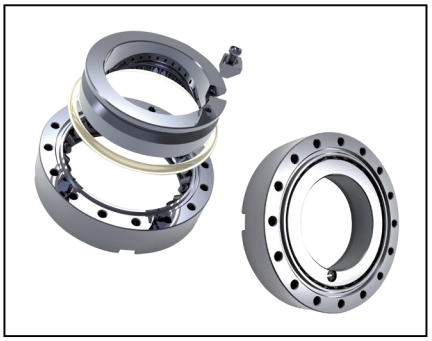
We hear you and turn your ideas into reality. KINGMAX can design and produce the servos under your name.

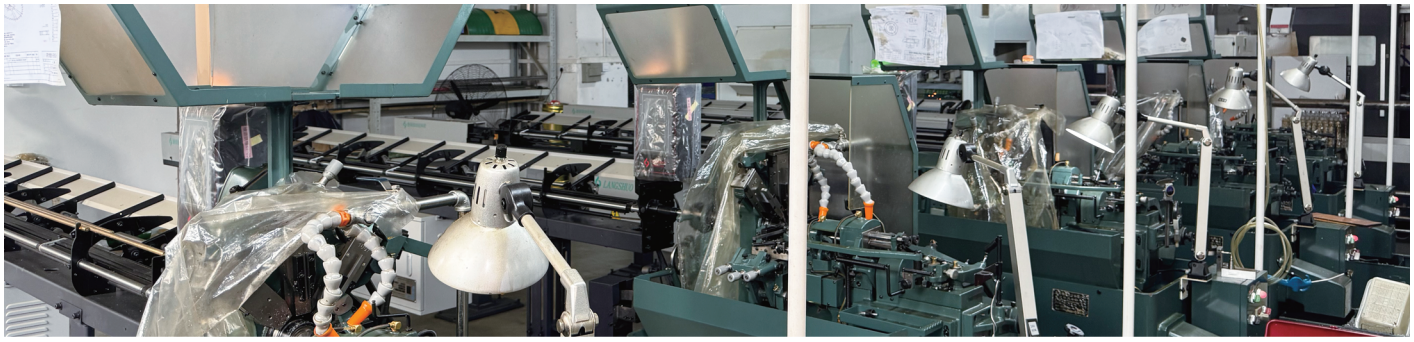


Equipped with advanced gear hobbing machine and injection molding machine, we are able to help you design and produce miniature gear box, metal gears and plastic gears or customized gears with super high precision (approximately JGMA 2 to 4 grade). Besides which, there are some other professional equipment such as milling machine, grinder and spark erosion machine for mould making. These gears have been widely used by our OEM clients in many ways, like in electric toys, medical, printers and even in sex products. etc. All inquiries welcome!













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Golden series mini servos----------page 3~4
Golden series low profile servos----------page 5
Golden series standard servos----------page 5
Storm series micro servos----------page 5~6
Storm series mini servos----------page 6~7
Storm series standard servos----------page 7~8
Diamond series micro servos----------page 8
Diamond series standard servos----------page 9
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CNC Metal Case | D Digital | Metal Gear | MV Multivoltage

ITEM:	HC07M			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.12s/60°	0.10s/60°	0.08s/60°	0.07s/60°
Stall Torque I 堵转扭矩:	4.5kg.cm	5.5kg.cm	7.0kg.cm	7.5kg.cm
Dimensions I 尺寸:	23*12*27mm/0.89x0.46x1.05in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	1.2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 25T	
Weight I 重量:	21g(0.74oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR200mm	Motor I 电机类型:	Coreless motor	



CNC Metal Case | D Digital | Metal Gear | MV Multivoltage

ITEM:	HC20M			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.11s/60°	0.09s/60°	0.07s/60°	0.06s/60°
Stall Torque I 堵转扭矩:	15kg.cm	17kg.cm	20kg.cm	24kg.cm
Dimensions I 尺寸:	35*15*36mm/1.36x0.58x1.40in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	1μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	54g(1.90oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	Coreless motor	



CNC Metal Case | D Digital | Metal Gear | MV Multivoltage

ITEM:	HB28S			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.10s/60°	0.08s/60°	0.07s/60°	0.06s/60°
Stall Torque I 堵转扭矩:	20kg.cm	24kg.cm	28kg.cm	32kg.cm
Dimensions I 尺寸:	40*20*36.6mm/1.56x0.78x1.42in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	1μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	70g(2.46oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	Brushless motor	



CNC Metal Case | WP IP67 | D Digital | Steel Gear | MV Multivoltage

ITEM:	HD45S			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.26s/60°	0.21s/60°	0.18s/60°	0.15s/60°
Stall Torque I 堵转扭矩:	30kg.cm	35kg.cm	45kg.cm	50kg.cm
Dimensions I 尺寸:	40*20*40mm/1.56x0.78x1.56in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	3μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	78g(2.75oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	DC motor	



CNC Metal Case | D Digital | Metal Gear | MV Multivoltage

ITEM:	HB55S			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.17s/60°	0.14s/60°	0.11s/60°	0.10s/60°
Stall Torque I 堵转扭矩:	40kg.cm	46kg.cm	55kg.cm	60kg.cm
Dimensions I 尺寸:	40*20*38.6mm/1.56x0.78x1.50in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	1μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	80g(2.82oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	Brushless motor	



CNC Metal Case | D Digital | Metal Gear | MV Multivoltage

ITEM:	HC70S			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.25s/60°	0.21s/60°	0.16s/60°	0.15s/60°
Stall Torque I 堵转扭矩:	52kg.cm	63kg.cm	70kg.cm	80kg.cm
Dimensions I 尺寸:	40*20*38.6mm/1.56x0.78x1.50in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	1μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	80g(2.82oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	Coreless motor	

GOLDEN SERIES SERVOS



D Digital

ITEM:	GDC0414		
Operating voltage I 工作电压:	3.5V	5.0V	
Operating Speed I 空载转速:	0.11s/60°	0.07s/60°	
Stall Torque I 堵转扭矩:	1.0kg.cm	1.4kg.cm	
Dimensions I 尺寸:	20*8.4*17.4mm/0.78x0.32x0.67in		
Operating voltage I 电压范围:	DC3.5V~5.0V	Gear I 齿轮:	Heavy duty resin
Dead band width I 死区:	2μs	Bearing I 轴承:	No
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive
Weight I 重量:	4g(0.14oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR120mm	Motor I 电机类型:	Coreless motor



D Digital

ITEM:	GDC0415		
Operating voltage I 工作电压:	3.5V	5.0V	
Operating Speed I 空载转速:	0.11s/60°	0.08s/60°	
Stall Torque I 堵转扭矩:	1.0kg.cm	1.5kg.cm	
Dimensions I 尺寸:	20*8.4*19.4mm/0.78x0.32x0.75in		
Operating voltage I 电压范围:	DC3.5V~5.0V	Gear I 齿轮:	Heavy duty resin
Dead band width I 死区:	2μs	Bearing I 轴承:	No
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive
Weight I 重量:	4.4g(0.15oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR120mm	Motor I 电机类型:	Coreless motor



D Digital

ITEM:	GDC0519		
Operating voltage I 工作电压:	3.5V	5.0V	6.0V
Operating Speed I 空载转速:	0.10s/60°	0.07s/60°	0.06s/60°
Stall Torque I 堵转扭矩:	1.5kg.cm	1.9kg.cm	2.1kg.cm
Dimensions I 尺寸:	21*11.4*17.7mm/0.81x0.44x0.69in		
Operating voltage I 电压范围:	DC3.5V~6.0V	Gear I 齿轮:	Heavy duty resin
Dead band width I 死区:	3μs	Bearing I 轴承:	No
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive
Weight I 重量:	5g(0.17oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR190mm	Motor I 电机类型:	Coreless motor



Digital Metal Gear

ITEM:	GDC0822		
Operating voltage I 工作电压:	3.5V	5.0V	6.0V
Operating Speed I 空载转速:	0.11s/60°	0.09s/60°	0.07s/60°
Stall Torque I 堵转扭矩:	1.6kg.cm	2.2kg.cm	2.7kg.cm
Dimensions I 尺寸:	21*11.4*17.7mm/0.81x0.44x0.69in		
Operating voltage I 电压范围:	DC3.5V~6.0V	Gear I 齿轮:	Full metal
Dead band width I 死区:	3μs	Bearing I 轴承:	No
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive
Weight I 重量:	8g(0.28oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR190mm	Motor I 电机类型:	Coreless motor



Digital

ITEM:	GDD0920		
Operating voltage I 工作电压:	5.0V	6.0V	
Operating Speed I 空载转速:	0.12s/60°	0.10s/60°	
Stall Torque I 堵转扭矩:	2.0kg.cm	2.4kg.cm	
Dimensions I 尺寸:	23*12*23.4mm/0.89x0.46x0.91in		
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Heavy duty resin
Dead band width I 死区:	3μs	Bearing I 轴承:	No
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive
Weight I 重量:	9g(0.31oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR190mm	Motor I 电机类型:	DC motor



Digital Metal Gear

ITEM:	GDD1338		
Operating voltage I 工作电压:	5.0V	6.0V	
Operating Speed I 空载转速:	0.11s/60°	0.09s/60°	
Stall Torque I 堵转扭矩:	3.8kg.cm	4.1kg.cm	
Dimensions I 尺寸:	23*12*23.4mm/0.89x0.46x0.91in		
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Full metal
Dead band width I 死区:	3μs	Bearing I 轴承:	No
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive
Weight I 重量:	13g(0.45oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR190mm	Motor I 电机类型:	DC motor



High Voltage Digital Metal Gear

ITEM:	GDD1780		
Operating voltage I 工作电压:	5.0V	6.0V	7.4V
Operating Speed I 空载转速:	0.11s/60°	0.09s/60°	0.07s/60°
Stall Torque I 堵转扭矩:	5.5kg.cm	6.8kg.cm	8.0kg.cm
Dimensions I 尺寸:	26*12*25mm/1.01x0.46x0.97in		
Operating voltage I 电压范围:	DC5.0V~7.4V	Gear I 齿轮:	Full metal
Dead band width I 死区:	3μs	Bearing I 轴承:	1BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive
Weight I 重量:	17g(0.59oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR190mm	Motor I 电机类型:	DC motor



Digital Metal Gear

ITEM:	GDD2043		
Operating voltage I 工作电压:	5.0V	6.0V	
Operating Speed I 空载转速:	0.12s/60°	0.11s/60°	
Stall Torque I 堵转扭矩:	4.3kg.cm	5.0kg.cm	
Dimensions I 尺寸:	28*13*26.7mm/1.09x0.50x1.04in		
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Full metal
Dead band width I 死区:	3μs	Bearing I 轴承:	No
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T
Weight I 重量:	20g(0.70oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR190mm	Motor I 电机类型:	DC motor



Digital

ITEM:	GDD2190		
Operating voltage I 工作电压:	5.0V		6.0V
Operating Speed I 空载转速:	0.13s/60°		0.11s/60°
Stall Torque I 堵转扭矩:	9.0kg.cm		10kg.cm
Dimensions I 尺寸:	36*15*28.6mm/1.40x0.58x1.11in		
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Heavy duty resin
Dead band width I 死区:	3μs	Bearing I 轴承:	2BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T
Weight I 重量:	21g(0.74oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR190mm	Motor I 电机类型:	DC motor



Digital Metal Gear

ITEM:	GDC2990		
Operating voltage I 工作电压:	5.0V		6.0V
Operating Speed I 空载转速:	0.14s/60°		0.12s/60°
Stall Torque I 堵转扭矩:	9.0kg.cm		11kg.cm
Dimensions I 尺寸:	36*15*28.6mm/1.40x0.58x1.11in		
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Heavy duty resin
Dead band width I 死区:	3μs	Bearing I 轴承:	2BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T
Weight I 重量:	29g(1.02oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR190mm	Motor I 电机类型:	Coreless motor



HV High Voltage
CNC Metal Case
Digital
Metal Gear

ITEM:	GDC3114		
Operating voltage I 工作电压:	5.0V	6.0V	7.4V
Operating Speed I 空载转速:	0.11s/60°	0.10s/60°	0.08s/60°
Stall Torque I 堵转扭矩:	10kg.cm	12kg.cm	14kg.cm
Dimensions I 尺寸:	35.5*15*29.3mm/1.38x0.58x1.14in		
Operating voltage I 电压范围:	DC5.0V~7.4V	Gear I 齿轮:	Full metal
Dead band width I 死区:	3μs	Bearing I 轴承:	2BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T
Weight I 重量:	31g(1.09oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR190mm	Motor I 电机类型:	Coreless motor



Digital

ITEM:	GDD1850		
Operating voltage I 工作电压:	5.0V		6.0V
Operating Speed I 空载转速:	0.11s/60°		0.10s/60°
Stall Torque I 堵转扭矩:	5.0kg.cm		5.6kg.cm
Dimensions I 尺寸:	30.8*16.2*29.6mm/1.20x0.63x1.15in		
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Heavy duty resin
Dead band width I 死区:	3μs	Bearing I 轴承:	1BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T
Weight I 重量:	18g(0.63oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR190mm	Motor I 电机类型:	DC motor



Digital Metal Gear

ITEM:	GDD2477		
Operating voltage I 工作电压:	5.0V		6.0V
Operating Speed I 空载转速:	0.17s/60°		0.14s/60°
Stall Torque I 堵转扭矩:	7.7kg.cm		9.0kg.cm
Dimensions I 尺寸:	30.8*16.2*29.6mm/1.20x0.63x1.15in		
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Full metal
Dead band width I 死区:	3μs	Bearing I 轴承:	1BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T
Weight I 重量:	24g(0.93oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR190mm	Motor I 电机类型:	DC motor



Digital | Metal Gear | Multivoltage

ITEM:	GDD4214			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.17s/60°	0.14s/60°	0.13s/60°	0.12s/60°
Stall Torque I 堵转扭矩:	9.0kg.cm	10.5kg.cm	14kg.cm	16kg.cm
Dimensions I 尺寸:	40.7*20*28.1mm/1.56x0.78x1.09in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	3μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	42g(1.48oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR220mm	Motor I 电机类型:	DC motor	



Digital | Metal Gear | Multivoltage

ITEM:	GDD6239			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.27s/60°	0.23s/60°	0.19s/60°	0.18s/60°
Stall Torque I 堵转扭矩:	30kg.cm	36kg.cm	39kg.cm	44kg.cm
Dimensions I 尺寸:	40*20*40.2mm/1.56x0.78x1.56in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	8μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	62g(2.18oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR240mm	Motor I 电机类型:	DC motor	



CNC Metal Case

Digital | Metal Gear | Multivoltage

ITEM:	GDD6540			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.29s/60°	0.24s/60°	0.20s/60°	0.18s/60°
Stall Torque I 堵转扭矩:	30kg.cm	36kg.cm	40kg.cm	44kg.cm
Dimensions I 尺寸:	40*20*40.2mm/1.56x0.78x1.56in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	8μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	65g(2.29oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR240mm	Motor I 电机类型:	DC motor	

STORM SERIES SERVOS



Digital | Metal Gear | CNC Metal Case

ITEM:	S02M		
Operating voltage I 工作电压:	3.5V	5.0V	6.0V
Operating Speed I 空载转速:	0.05s/60°	0.04s/60°	0.03s/60°
Stall Torque I 堵转扭矩:	1.0kg.cm	1.5kg.cm	2.0kg.cm
Dimensions I 尺寸:	20*11.3*18.8mm/0.78x0.44x0.73in		
Operating voltage I 电压范围:	DC3.5V~6.0V	Gear I 齿轮:	Full metal
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 25T
Weight I 重量:	12g(0.42oz)	Waterproof I 防水:	No
Connector/plug I 线长:	ZH1.5-3P 100mm	Motor I 电机类型:	Coreless motor



Digital Metal Gear Metal Case

ITEM:	S05M			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.10s/60°	0.08s/60°	0.07s/60°	0.06s/60°
Stall Torque I 堵转扭矩:	3.3kg.cm	4.0kg.cm	5.0kg.cm	5.2kg.cm
Dimensions I 尺寸:	15.2*9.25*18.7mm/0.59x0.36x0.72in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 28T	
Weight I 重量:	8.6g(0.30oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR200mm	Motor I 电机类型:	Coreless motor	



Steel Gear CNC Metal Case MV Multivoltage Digital

ITEM:	S09M			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.10s/60°	0.08s/60°	0.07s/60°	0.06s/60°
Stall Torque I 堵转扭矩:	6.5kg.cm	7.5kg.cm	9.0kg.cm	9.3kg.cm
Dimensions I 尺寸:	23*12*26.5mm/0.89x0.46x1.03in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 25T	
Weight I 重量:	20g(0.71oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR185mm	Motor I 电机类型:	Coreless motor	



Steel Gear CNC Metal Case MV Multivoltage Digital

ITEM:	S10M			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.12s/60°	0.10s/60°	0.08s/60°	0.07s/60°
Stall Torque I 堵转扭矩:	7.0kg.cm	8.5kg.cm	10kg.cm	11kg.cm
Dimensions I 尺寸:	23*12*26.5mm/0.89x0.46x1.03in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 25T	
Weight I 重量:	20g(0.71oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR185mm	Motor I 电机类型:	Coreless motor	



Telemetry servos Customized angles
(such as 90°, 180°,270°,360°etc.)

Steel Gear CNC Metal Case MV Multivoltage Digital

ITEM:	S10MC			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.12s/60°	0.10s/60°	0.08s/60°	0.07s/60°
Stall Torque I 堵转扭矩:	7.0kg.cm	8.5kg.cm	10kg.cm	11kg.cm
Dimensions I 尺寸:	23*12*26.5mm/0.89x0.46x1.03in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 25T	
Weight I 重量:	20g(0.71oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR185mm	Motor I 电机类型:	Coreless motor	



Steel Gear CNC Metal Case MV Multivoltage Digital

ITEM:	S23M			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.10s/60°	0.08s/60°	0.07s/60°	0.06s/60°
Stall Torque I 堵转扭矩:	15.0kg.cm	18.0kg.cm	23.0kg.cm	25.0kg.cm
Dimensions I 尺寸:	36*15*33mm/1.4x0.58x1.28in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	50.5g(1.78oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR220mm	Motor I 电机类型:	Coreless motor	



Steel Gear | CNC Metal Case | MV Multivoltage | D Digital

ITEM:	S30M			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.15s/60°	0.13s/60°	0.10s/60°	0.09s/60°
Stall Torque I 堵转扭矩:	17.0kg.cm	26.0kg.cm	30.0kg.cm	35.0kg.cm
Dimensions I 尺寸:	36*15*33mm/1.4x0.58x1.28in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	50.5g(1.78oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR220mm	Motor I 电机类型:	Coreless motor	



Steel Gear | CNC Metal Case | MV Multivoltage | D Digital

ITEM:	S31M			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.10s/60°	0.08s/60°	0.06s/60°	0.05s/60°
Stall Torque I 堵转扭矩:	22.0kg.cm	26.0kg.cm	31.0kg.cm	35.0kg.cm
Dimensions I 尺寸:	36*15*33mm/1.4x0.58x1.28in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	52g(1.83oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR220mm	Motor I 电机类型:	Brushless motor	



Steel Gear | CNC Metal Case | MV Multivoltage | D Digital

ITEM:	S36M			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.14s/60°	0.11s/60°	0.09s/60°	0.08s/60°
Stall Torque I 堵转扭矩:	26.0kg.cm	30.0kg.cm	36.0kg.cm	40.0kg.cm
Dimensions I 尺寸:	36*15*33mm/1.4x0.58x1.28in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	52g(1.83oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR220mm	Motor I 电机类型:	Brushless motor	



WP IP67 | Steel Gear | D Digital | CNC Metal Case | MV Multivoltage

ITEM:	S40S			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.10s/60°	0.08s/60°	0.06s/60°	0.05s/60°
Stall Torque I 堵转扭矩:	23kg.cm	31kg.cm	40kg.cm	42kg.cm
Dimensions I 尺寸:	40*20*39.8mm/1.56x0.78x1.55in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	89g(3.13oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR225mm	Motor I 电机类型:	Brushless motor	



WP IP67 | Steel Gear | D Digital | CNC Metal Case | MV Multivoltage

ITEM:	S65S			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.16s/60°	0.14s/60°	0.11s/60°	0.10s/60°
Stall Torque I 堵转扭矩:	45kg.cm	55kg.cm	65kg.cm	70kg.cm
Dimensions I 尺寸:	40*20*39.8mm/1.56x0.78x1.55in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	89g(3.13oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR225mm	Motor I 电机类型:	Brushless motor	



Telemetry servos Customized angles
(such as 90°, 180°,270°,360°etc.)

WP IP67 | Steel Gear | Digital | CNC Metal Case | MV Multivoltage

ITEM:	S40SC			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.10s/60°	0.08s/60°	0.06s/60°	0.05s/60°
Stall Torque I 堵转扭矩:	23kg.cm	31kg.cm	40kg.cm	42kg.cm
Dimensions I 尺寸:	40*20*39.8mm/1.56x0.78x1.55in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	89g(3.13oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR225mm	Motor I 电机类型:	Brushless motor	



Telemetry servos Customized angles
(such as 90°, 180°,270°,360°etc.)

WP IP67 | Steel Gear | Digital | CNC Metal Case | MV Multivoltage

ITEM:	S65SC			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.16s/60°	0.14s/60°	0.11s/60°	0.10s/60°
Stall Torque I 堵转扭矩:	45kg.cm	55kg.cm	65kg.cm	70kg.cm
Dimensions I 尺寸:	40*20*39.8mm/1.56x0.78x1.55in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	89g(3.13oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR225mm	Motor I 电机类型:	Brushless motor	



WP IP67 | Steel Gear | Digital | CNC Metal Case | MV Multivoltage

ITEM:	S65S12		
Operating voltage I 工作电压:	7.0V	8.4V	12V
Operating Speed I 空载转速:	0.15s/60°	0.13s/60°	0.09s/60°
Stall Torque I 堵转扭矩:	45kg.cm	54kg.cm	65kg.cm
Dimensions I 尺寸:	40*20*39.8mm/1.56x0.78x1.55in		
Operating voltage I 电压范围:	DC7.0V~12V	Gear I 齿轮:	Steel gear
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T
Weight I 重量:	91g(3.21oz)	Waterproof I 防水:	Yes
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	Brushless motor

DIAMOND SERIES SERVOS



Digital

ITEM:	C02D		
Operating voltage I 工作电压:	5.0V	6.0V	
Operating Speed I 空载转速:	0.07s/60°	0.06s/60°	
Stall Torque I 堵转扭矩:	0.5kg.cm	1.0kg.cm	
Dimensions I 尺寸:	16*8*14.4mm/0.62x0.31x0.56in		
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Heavy duty resin
Dead band width I 死区:	4μs	Bearing I 轴承:	No
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive
Weight I 重量:	3g (0.10oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR140mm	Motor I 电机类型:	Coreless motor



WP IP67 | Steel Gear | D Digital | MV Multivoltage

ITEM:	D30S			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.31s/60°	0.25s/60°	0.20s/60°	0.18s/60°
Stall Torque I 堵转扭矩:	20kg.cm	24kg.cm	30kg.cm	35kg.cm
Dimensions I 尺寸:	40.4*20*33.5mm/1.57x0.78x1.30in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	10μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	55g(1.94oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR320mm	Motor I 电机类型:	DC motor	



CNC Metal Case

WP IP67 | Steel Gear | D Digital | MV Multivoltage

ITEM:	C53S			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.27s/60°	0.22s/60°	0.18s/60°	0.16s/60°
Stall Torque I 堵转扭矩:	35kg.cm	43kg.cm	53kg.cm	60kg.cm
Dimensions I 尺寸:	40*20*33.7mm/1.56X0.78X1.31in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	10μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	76g(2.68oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR265mm	Motor I 电机类型:	Coreless motor	



CNC Metal Case

WP IP67 | Steel Gear | D Digital | MV Multivoltage

ITEM:	B70S12		
Operating voltage I 工作电压:	7.4V	8.4V	12V
Operating Speed I 空载转速:	0.14s/60°	0.12s/60°	0.09s/60°
Stall Torque I 堵转扭矩:	46.0kg.cm	53.0kg.cm	70.0kg.cm
Dimensions I 尺寸:	40*20*39.6mm/1.56x0.78x1.54in		
Operating voltage I 电压范围:	DC7.4V~12V	Gear I 齿轮:	Steel gear
Dead band width I 死区:	3μs	Bearing I 轴承:	2BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T
Weight I 重量:	86g(3.03oz)	Waterproof I 防水:	Yes
Connector/plug I 线长:	JR320mm	Motor I 电机类型:	Brushless motor

KING SERIES SERVOS



WP IP67 | Steel Gear | D Digital | CNC Metal Case | MV Multivoltage

PRODUCT FEATURE

- High quality potentiometer
- Durable steel gears
- High quality brushless motor
- Full CNC aluminium case
- Super long life
- Dual ball bearings

Item NO. 型号:	Operating Speed I 空载转速				Stall Torque I 堵转扭矩				Spline 花键	Dimensions (mm)尺寸	Weight 重量	Dead band width死区	Bearing 轴承	Connector plug线长
	5.0V	6.0V	7.4V	8.4V	5.0V	6.0V	7.4V	8.4V						
BRUSHLESS I 无刷电机														
K6S	0.07s/60°	0.06s/60°	0.05s/60°	0.04s/60°	30.0kg.cm	35.0kg.cm	40.0kg.cm	45.0kg.cm	25T	40*20*38.7	91.5g	0.002ms	2BB	JR220mm
K7S	0.11s/60°	0.09s/60°	0.07s/60°	0.06s/60°	35.0kg.cm	45.0kg.cm	57.0kg.cm	60.0kg.cm	25T	40*20*38.7	91.5g	0.002ms	2BB	JR220mm
K8S	0.17s/60°	0.14s/60°	0.11s/60°	0.10s/60°	49.0kg.cm	61.0kg.cm	75.0kg.cm	83.0kg.cm	25T	40*20*38.7	91.5g	0.002ms	2BB	JR220mm
	Operating Speed I 空载转速				Stall Torque I 堵转扭矩									
K8S-28	24V		28V		24V		28V		25T	40*20*38.7	91.5g	0.002ms	2BB	JR220mm
	0.11s/60°		0.10s/60°		85.0kg.cm		100kg.cm							



Metal Gear | CNC Metal Case | WP IP67 | Digital | MV Multivoltage

ITEM:	RGD01L			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.14s/60°	0.12s/60°	0.10s/60°	0.09s/60°
Stall Torque I 堵转扭矩:	10.3kg.cm	12kg.cm	15kg.cm	17kg.cm
Dimensions I 尺寸:	40*20*27.9mm /1.56x0.78x1.08in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	52.5g (1.85oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	DC motor	



Metal Gear | CNC Metal Case | WP IP67 | Digital | MV Multivoltage

ITEM:	RGC01L			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.11s/60°	0.09s/60°	0.07s/60°	0.06s/60°
Stall Torque I 堵转扭矩:	13kg.cm	15.4kg.cm	18kg.cm	19kg.cm
Dimensions I 尺寸:	40*20*27.9mm /1.56x0.78x1.08in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	58g (2.04oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	Coreless motor	



Digital | Metal Gear

ITEM:	RGD01SP			
Operating voltage I 工作电压:	5.0V		6.0V	
Operating Speed I 空载转速:	0.18s/60°		0.16s/60°	
Stall Torque I 堵转扭矩:	21kg.cm		25kg.cm	
Dimensions I 尺寸:	40.2*20.3*40mm /1.56x0.79x1.56in			
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	63.3g(2.23oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	DC motor	



Metal Gear | CNC Metal Case | WP IP67 | Digital | MV Multivoltage

ITEM:	RGD01S			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.19s/60°	0.16s/60°	0.13s/60°	0.12s/60°
Stall Torque I 堵转扭矩:	14.5kg.cm	16.8kg.cm	20kg.cm	21.5kg.cm
Dimensions I 尺寸:	40*20*41.1mm/1.56x0.78x1.6in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	67.9g(2.39oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	DC motor	



Steel Gear | CNC Metal Case | WP IP67 | Digital | MV Multivoltage

ITEM:	RGD02S			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.23s/60°	0.19s/60°	0.16s/60°	0.15s/60°
Stall Torque I 堵转扭矩:	24kg.cm	26kg.cm	30kg.cm	33kg.cm
Dimensions I 尺寸:	40*20*41.1mm/1.56x0.78x1.6in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	67.9g(2.39oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	DC motor	



IPX8 rating Full Waterproof servos

Steel Gear | CNC Metal Case | WP IPX8 | MV Multivoltage | D Digital

ITEM:	CLS3511S			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.17s/60°	0.14s/60°	0.11s/60°	0.10s/60°
Stall Torque I 堵转扭矩:	26kg.cm	32kg.cm	40kg.cm	54.5kg.cm
Dimensions I 尺寸:	40.6*21*37.6mm /1.58x0.8x1.4in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	83.3g(2.9oz)	Waterproof I 防水:	IPX8 grade	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	Coreless motor	



IPX8 rating Full Waterproof servos

Steel Gear | CNC Metal Case | WP IPX8 | MV Multivoltage | D Digital

ITEM:	BLS3511S			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.17s/60°	0.14s/60°	0.11s/60°	0.10s/60°
Stall Torque I 堵转扭矩:	23kg.cm	28kg.cm	35kg.cm	39.5kg.cm
Dimensions I 尺寸:	40.6*21*37.6mm /1.58x0.8x1.4in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	83.7g(2.9oz)	Waterproof I 防水:	IPX8 grade	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	Brushless motor	



IPX8 rating Full Waterproof servos
4 Pole Brushless motor

Steel Gear | CNC Metal Case | WP IPX8 | MV Multivoltage | D Digital

ITEM:	BLS6113S			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.19s/60°	0.16s/60°	0.13s/60°	0.11s/60°
Stall Torque I 堵转扭矩:	40kg.cm	50kg.cm	61kg.cm	67kg.cm
Dimensions I 尺寸:	40.6*21*37.6mm /1.58x0.8x1.4in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	81g(2.85oz)	Waterproof I 防水:	IPX8 grade	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	Brushless motor	



IPX8 rating Full Waterproof servos

Steel Gear | CNC Metal Case | WP IPX8 | MV Multivoltage | D Digital

ITEM:	BLS4510S			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.15s/60°	0.13s/60°	0.10s/60°	0.09s/60°
Stall Torque I 堵转扭矩:	30kg.cm	36kg.cm	45kg.cm	49kg.cm
Dimensions I 尺寸:	40.6*21*41.8mm /1.58x0.8x1.63in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	92.7g(3.27oz)	Waterproof I 防水:	IPX8 grade	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	Brushless motor	

MAX POWER SERIES SERVOS



Steel Gear | Metal Case | Multivoltage | Digital

ITEM:	CLS0207M			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.10s/60°	0.08s/60°	0.07s/60°	0.06s/60°
Stall Torque I 堵转扭矩:	2.0kg.cm	2.5kg.cm	3.0kg.cm	3.5kg.cm
Dimensions I 尺寸:	20*10*17.3mm/0.78x0.39x0.34in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 15T	
Weight I 重量:	10g(0.35oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR180mm	Motor I 电机类型:	Coreless motor	



WP IP67

Metal Gear | Metal Case | Multivoltage | Digital

ITEM:	CLS02MP			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.19s/60°	0.15s/60°	0.12s/60°	0.10s/60°
Stall Torque I 堵转扭矩:	4.0kg.cm	5.0kg.cm	5.8kg.cm	6.0kg.cm
Dimensions I 尺寸:	22.7*12.5*26.4mm/0.88x0.48x1.02in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	18.3g(0.64oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	Coreless motor	



WP IP67

Steel Gear | Metal Case | Multivoltage | Digital

ITEM:	CLS02M			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.16s/60°	0.14s/60°	0.11s/60°	0.10s/60°
Stall Torque I 堵转扭矩:	5.5kg.cm	7.2kg.cm	10.0kg.cm	11.0kg.cm
Dimensions I 尺寸:	22.6*12.6*26.5mm/0.88x0.49x1.03in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	19g(0.67oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	Coreless motor	



Digital | Metal Gear | Multivoltage

ITEM:	CLS0405M				
Operating voltage I 工作电压:	3.5V	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.12s/60°	0.08s/60°	0.06s/60°	0.055s/60°	0.05s/60°
Stall Torque I 堵转扭矩:	2.0kg.cm	3.0kg.cm	3.7kg.cm	5.0kg.cm	5.3kg.cm
Dimensions I 尺寸:	24.1*11.9*22.3mm/0.94x0.46x0.87in				
Operating voltage I 电压范围:	DC3.5V~8.4V	Gear I 齿轮:	Full metal		
Dead band width I 死区:	2μs	Bearing I 轴承:	1BB		
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 21T		
Weight I 重量:	16g(0.56oz)	Waterproof I 防水:	No		
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	Coreless motor		



Metal Gear | Metal Case | Multivoltage | Digital

ITEM:	BLS0709M			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.10s/60°	0.08s/60°	0.07s/60°	0.06s/60°
Stall Torque I 堵转扭矩:	6.5kg.cm	7.5kg.cm	9.0kg.cm	9.3kg.cm
Dimensions I 尺寸:	23*12*27.5 mm/0.91x0.47x1.07in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 25T	
Weight I 重量:	20.3g(0.72oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR320mm	Motor I 电机类型:	Brushless motor	



WP IP67

Metal Gear | CNC Metal Case | MV Multivoltage | D Digital

ITEM:	DCS01MP			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.21s/60°	0.16s/60°	0.14s/60°	0.13s/60°
Stall Torque I 堵转扭矩:	3.6kg.cm	4.3kg.cm	5.7kg.cm	6.1kg.cm
Dimensions I 尺寸:	29*13.6*30mm /1.13x0.53x0.1.17in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	26.6g(0.93oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR320mm	Motor I 电机类型:	DC motor	



WP IP67

Metal Gear | CNC Metal Case | MV Multivoltage | D Digital

ITEM:	CLS01MP			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.16s/60°	0.12s/60°	0.10s/60°	0.08s/60°
Stall Torque I 堵转扭矩:	6.4kg.cm	7.4kg.cm	8.3kg.cm	9.3kg.cm
Dimensions I 尺寸:	29*13.6*30mm /1.13x0.53x0.1.17in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	27.8g(0.98oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR320mm	Motor I 电机类型:	Coreless motor	

PATENTED PRODUCTS

Patented design for gearbox structure, higher cycle life, smaller backlash tolerance, withstand greater impact. lighter weight, lower energy consumption, powerful and strong performance. The height of the servos are smaller than those with the same specifications.

专利齿轮箱结构设计，循环寿命更高，齿隙容差更小，承受冲击更大，重量更轻，功耗更低，动力强劲，性能卓越。与同级别舵机重量相比更轻。



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Metal Gear | CNC Metal Case | MV Multivoltage | D Digital

PRODUCT FEATURE

- Patent gear chain design, more stable and durable
- High quality potentiometer
- High quality coreless motor
- High-precision steel gears
- Full CNC aluminium case
- Dual ball bearings
- low power consumption and super long working life

Item NO. 型号:	Operating Speed I 空载转速				Stall Torque I 堵转扭矩				Spline 花键	Dimensions (mm)尺寸	Weight 重量	Dead band width死区	Bearing 轴承	Connector plug线长
	5.0V	6.0V	7.4V	8.4V	5.0V	6.0V	7.4V	8.4V						
CORELESS I 空心杯电机														
CLS0505ML	0.08s/60°	0.07s/60°	0.06s/60°	0.05s/60°	6.50kg.cm	8.50kg.cm	10.0kg.cm	11.0kg.cm	25T	35.5*15*23.6	34g	0.002ms	2BB	JR320mm
CLS1009ML	0.14s/60°	0.12s/60°	0.10s/60°	0.09s/60°	9.00kg.cm	10.0kg.cm	13.0kg.cm	16.0kg.cm	25T	35.5*15*23.6	34g	0.002ms	2BB	JR320mm
CLS0808M	0.13s/60°	0.11s/60°	0.08s/60°	0.06s/60°	5.00kg.cm	6.00kg.cm	8.00kg.cm	9.50kg.cm	25T	35.5*15*28.5	38g	0.002ms	2BB	JR265mm
CLS1515M	0.28s/60°	0.18s/60°	0.15s/60°	0.13s/60°	20.0kg.cm	25.0kg.cm	30.0kg.cm	35.0kg.cm	25T	35.5*15*28.5	38g	0.002ms	2BB	JR265mm



Steel Gear | CNC Metal Case | MV Multivoltage | D Digital

ITEM:	CLS2509M			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.14s/60°	0.11s/60°	0.09s/60°	0.08s/60°
Stall Torque I 堵转扭矩:	16kg.cm	20kg.cm	25kg.cm	28kg.cm
Dimensions I 尺寸:	35.5*15*25.3mm/1.38x0.58x0.98in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	40g(1.41oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR320mm	Motor I 电机类型:	Coreless motor	



Steel Gear | CNC Metal Case | MV Multivoltage | D Digital

ITEM:	CLS1806M			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.09s/60°	0.07s/60°	0.06s/60°	0.05s/60°
Stall Torque I 堵转扭矩:	12kg.cm	15kg.cm	18kg.cm	20kg.cm
Dimensions I 尺寸:	35.5*15*29.7mm/1.38x0.58x1.15in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	43g(1.51oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR250mm	Motor I 电机类型:	Coreless motor	



Steel Gear | CNC Metal Case | MV Multivoltage | D Digital

ITEM:	CLS2209M			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.14s/60°	0.11s/60°	0.09s/60°	0.08s/60°
Stall Torque I 堵转扭矩:	16kg.cm	19kg.cm	22kg.cm	25kg.cm
Dimensions I 尺寸:	35.5*15*29.7mm/1.38x0.58x1.15in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	43g(1.51oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR250mm	Motor I 电机类型:	Coreless motor	



Steel Gear | CNC Metal Case | MV Multivoltage | D Digital

ITEM:	BLS1307M			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.10s/60°	0.07s/60°	0.06s/60°	0.05s/60°
Stall Torque I 堵转扭矩:	10.2kg.cm	11.3kg.cm	13.5kg.cm	15kg.cm
Dimensions I 尺寸:	36*15*33.4mm /1.4x0.58x1.30in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	49g(1.72oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR225mm	Motor I 电机类型:	Brushless motor	

PATENTED PRODUCTS

Patented design for gearbox structure, higher cycle life, smaller backlash tolerance, withstand greater impact. lighter weight, lower energy consumption, powerful and strong performance. The height of the servos are smaller than those with the same specifications.

专利齿轮箱结构设计，循环寿命更高，齿隙容差更小，承受冲击更大，重量更轻，功耗更低，动力强劲，性能卓越。与同级别舵机重量相比更轻。



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Steel Gear | CNC Metal Case | WP IP67 | MV Multivoltage | D Digital

PRODUCT FEATURE

- Patent gear chain design, more stable and durable
- High quality potentiometer
- Durable steel gears
- Full CNC aluminium case
- Dual ball bearings
- low power consumption and super long working life
- Waterproof

Item NO. 型号:	Operating Speed I 空载转速				Stall Torque I 堵转扭矩				Spline 花键	Dimensions (mm)尺寸	Weight 重量	Dead band width死区	Bearing 轴承	Connector plug线长
	5.0V	6.0V	7.4V	8.4V	5.0V	6.0V	7.4V	8.4V						
CORELESS I 空心杯电机														
CLS01SL	0.06s/60°	0.05s/60°	0.045s/60°	0.04s/60°	11.0kg.cm	13.0kg.cm	15.0kg.cm	17.0kg.cm	25T	40*20*25.5	55.6g	0.002ms	2BB	JR320mm
CLS02SL	0.07s/60°	0.065s/60°	0.06s/60°	0.05s/60°	13.0kg.cm	16.0kg.cm	18.0kg.cm	20.0kg.cm	25T	40*20*25.5	55.6g	0.002ms	2BB	JR320mm
BRUSHLESS I 无刷电机														
BLS01SL	0.09s/60°	0.07s/60°	0.06s/60°	0.05s/60°	12.0kg.cm	14.0kg.cm	16.0kg.cm	19.0kg.cm	25T	40*20*25.5	56g	0.002ms	2BB	JR320mm
BLS02SL	0.11s/60°	0.09s/60°	0.07s/60°	0.06s/60°	14.0kg.cm	17.0kg.cm	19.0kg.cm	21.0kg.cm	25T	40*20*25.5	56g	0.002ms	2BB	JR320mm



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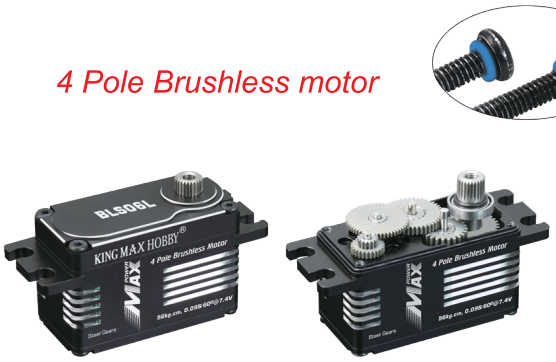
Steel Gear | Metal Case | IP67 Waterproof | Multivoltage | Digital

PRODUCT FEATURE

- Patent gear chain design, more stable and durable
- High quality potentiometer
- Durable steel gears
- Full CNC aluminium case
- Dual ball bearings
- low power consumption and super long working life
- Waterproof

Item NO. 型号:	Operating Speed I 空载转速				Stall Torque I 堵转扭矩				Spline 花键	Dimensions (mm)尺寸	Weight 重量	Dead band width死区	Bearing 轴承	Connector plug线长
	5.0V	6.0V	7.4V	8.4V	5.0V	6.0V	7.4V	8.4V						
CORELESS I 空心杯电机														
CLS01L	0.06s/60°	0.05s/60°	0.04s/60°	0.03s/60°	10.5kg.cm	13.0kg.cm	16.5kg.cm	18.5kg.cm	25T	40*20*28.5	64g	0.002ms	2BB	JR320mm
CLS02L	0.08s/60°	0.07s/60°	0.06s/60°	0.05s/60°	18.0kg.cm	20.0kg.cm	25.0kg.cm	28.0kg.cm	25T	40*20*28.5	64g	0.002ms	2BB	JR320mm
CLS03L	0.13s/60°	0.11s/60°	0.09s/60°	0.08s/60°	23.0kg.cm	28.0kg.cm	30.0kg.cm	38.0kg.cm	25T	40*20*28.5	64g	0.002ms	2BB	JR320mm
CLS04L	0.17s/60°	0.14s/60°	0.11s/60°	0.10s/60°	29.0kg.cm	33.0kg.cm	40.0kg.cm	45.0kg.cm	25T	40*20*28.5	64g	0.002ms	2BB	JR320mm
BRUSHLESS I 无刷电机														
BLS01L	0.07s/60°	0.06s/60°	0.05s/60°	0.04s/60°	13.0kg.cm	14.0kg.cm	17.0kg.cm	19.0kg.cm	25T	40*20*28.5	65g	0.002ms	2BB	JR320mm
BLS02L	0.11s/60°	0.09s/60°	0.07s/60°	0.06s/60°	18.0kg.cm	21.0kg.cm	25.0kg.cm	28.0kg.cm	25T	40*20*28.5	65g	0.002ms	2BB	JR320mm
BLS03L	0.13s/60°	0.11s/60°	0.09s/60°	0.08s/60°	23.0kg.cm	27.0kg.cm	31.0kg.cm	35.0kg.cm	25T	40*20*28.5	65g	0.002ms	2BB	JR320mm
BLS04L	0.18s/60°	0.15s/60°	0.13s/60°	0.10s/60°	26.8kg.cm	30.0kg.cm	36.0kg.cm	40.0kg.cm	25T	40*20*28.5	65g	0.002ms	2BB	JR320mm

4 Pole Brushless motor



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Steel Gear | Metal Case | IP67 Waterproof | Multivoltage | Digital

PRODUCT FEATURE

- Patent gear chain design, more stable and durable
- High quality potentiometer
- Durable steel gears
- Full CNC aluminium case
- Dual ball bearings
- low power consumption and super long working life
- Waterproof

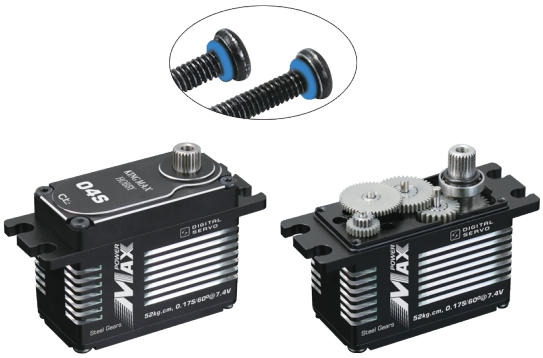
Item NO. 型号:	Operating Speed I 空载转速				Stall Torque I 堵转扭矩				Spline 花键	Dimensions (mm)尺寸	Weight 重量	Dead band width死区	Bearing 轴承	Connector plug线长
	5.0V	6.0V	7.4V	8.4V	5.0V	6.0V	7.4V	8.4V						
BRUSHLESS I 无刷电机														
BLS05L	0.08s/60°	0.07s/60°	0.06s/60°	0.05s/60°	28.0kg.cm	33.0kg.cm	40.0kg.cm	45.0kg.cm	25T	40*20*30.5	71g	0.002ms	2BB	JR320mm
BLS06L	0.13s/60°	0.11s/60°	0.09s/60°	0.08s/60°	35.0kg.cm	44.0kg.cm	56.0kg.cm	60.0kg.cm	25T	40*20*30.5	71g	0.002ms	2BB	JR320mm



High Precision Helical Gears Structure
4 Pole Brushless motor

Steel Gear | Metal Case | IP67 Waterproof | Multivoltage | Digital

ITEM:	BLS5810S			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.13s/60°	0.11s/60°	0.09s/60°	0.08s/60°
Stall Torque I 堵转扭矩:	40kg.cm	50kg.cm	60kg.cm	65kg.cm
Dimensions I 尺寸:	40*20*38.3mm/1.56x0.78x1.49in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	5BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	79g(2.78oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR320mm	Motor I 电机类型:	Brushless motor	



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Steel Gear | Metal Case | IP67 | Multivoltage | Digital

PRODUCT FEATURE

- Patent gear chain design, more stable and durable
- High quality potentiometer
- Durable steel gears
- Full CNC aluminium case
- Dual ball bearings
- low power consumption and super long working life
- Waterproof

Item NO. 型号:	Operating Speed I 空载转速				Stall Torque I 堵转扭矩				Spline 花键	Dimensions (mm)尺寸	Weight 重量	Dead band width死区	Bearing 轴承	Connector plug线长
	5.0V	6.0V	7.4V	8.4V	5.0V	6.0V	7.4V	8.4V						
CORELESS I 空心杯电机														
CLS01S	0.08s/60°	0.07s/60°	0.06s/60°	0.05s/60°	12.0kg.cm	14.5kg.cm	18.0kg.cm	20.0kg.cm	25T	40*20*33.5	73g	0.002ms	2BB	JR320mm
CLS02S	0.12s/60°	0.10s/60°	0.08s/60°	0.07s/60°	20.0kg.cm	25.0kg.cm	28.0kg.cm	30.0kg.cm	25T	40*20*33.5	73g	0.002ms	2BB	JR320mm
CLS03S	0.20s/60°	0.16s/60°	0.13s/60°	0.11s/60°	30.0kg.cm	36.0kg.cm	44.0kg.cm	50.0kg.cm	25T	40*20*33.5	73g	0.002ms	2BB	JR320mm
CLS04S	0.25s/60°	0.21s/60°	0.17s/60°	0.15s/60°	37.0kg.cm	43.0kg.cm	52.0kg.cm	56.0kg.cm	25T	40*20*33.5	73g	0.002ms	2BB	JR320mm
BRUSHLESS I 无刷电机														
BLS01S	0.09s/60°	0.08s/60°	0.06s/60°	0.05s/60°	18.4kg.cm	22.3kg.cm	28.0kg.cm	30.6kg.cm	25T	40*20*33.5	75g	0.002ms	2BB	JR320mm
BLS02S	0.16s/60°	0.13s/60°	0.10s/60°	0.09s/60°	24.0kg.cm	29.0kg.cm	37.0kg.cm	39.0kg.cm	25T	40*20*33.5	75g	0.002ms	2BB	JR320mm
BLS03S	0.18s/60°	0.15s/60°	0.12s/60°	0.10s/60°	25.0kg.cm	32.0kg.cm	40.0kg.cm	45.0kg.cm	25T	40*20*33.5	75g	0.002ms	2BB	JR320mm
BLS04S	0.21s/60°	0.17s/60°	0.13s/60°	0.12s/60°	30.0kg.cm	35.0kg.cm	45.0kg.cm	50.0kg.cm	25T	40*20*33.5	75g	0.002ms	2BB	JR320mm

HIGH SPEED SERIES SERVOS



Steel Gear | Metal Case | Multivoltage | Digital

ITEM:	CLS1008M			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.11s/60°	0.10s/60°	0.08s/60°	0.07s/60°
Stall Torque I 堵转扭矩:	8.0kg.cm	9.0kg.cm	10kg.cm	11kg.cm
Dimensions I 尺寸:	23*12*25.6mm/0.89x0.46x0.99in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 25T	
Weight I 重量:	21g(0.74oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR320mm	Motor I 电机类型:	Coreless motor	



Metal Gear | Metal Case | IP67 | Digital | Multivoltage

ITEM:	DCS1312SP			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.26s/60°	0.21s/60°	0.17s/60°	0.15s/60°
Stall Torque I 堵转扭矩:	16kg.cm	20kg.cm	24kg.cm	26kg.cm
Dimensions I 尺寸:	40.7*20.4*39.5mm /1.60x0.80x1.55in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	60g (2.12oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR250mm	Motor I 电机类型:	DC motor	



Metal Gear | CNC Metal Case | WP IP67 | D Digital | MV Multivoltage

ITEM:	DCS2016SP			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.27s/60°	0.23s/60°	0.20s/60°	0.19s/60°
Stall Torque I 堵转扭矩:	25kg.cm	30kg.cm	34kg.cm	38kg.cm
Dimensions I 尺寸:	40.7*20.4*39.5mm /1.60x0.80x1.55in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	60g (2.12oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR250mm	Motor I 电机类型:	DC motor	





MV Multivoltage | D Digital | Metal Gear | CNC Metal Case | WP IP67

PRODUCT FEATURE

- High quality potentiometer
- High-precision steel gears
- Middle CNC aluminium case
- Dual ball bearings
- Waterproof

Item NO. 型号:	Operating Speed I 空载转速				Stall Torque I 堵转扭矩				Spline 花键	Dimensions (mm)尺寸	Weight 重量	Dead band width死区	Bearing 轴承	Connector plug线长
	5.0V	6.0V	7.4V	8.4V	5.0V	6.0V	7.4V	8.4V						
CORELESS I 空心杯电机														
CLS1004SP	0.08s/60°	0.06s/60°	0.04s/60°	0.03s/60°	7.00kg.cm	9.00kg.cm	10.0kg.cm	11.5kg.cm	25T	40.7*20.4*39.5	64g	0.002ms	2BB	JR300mm
CLS1606SP	0.09s/60°	0.07s/60°	0.06s/60°	0.05s/60°	12.1kg.cm	14.2kg.cm	16.0kg.cm	18.5kg.cm	25T	40.7*20.4*39.5	64g	0.002ms	2BB	JR300mm
CLS2008SP	0.11s/60°	0.09s/60°	0.08s/60°	0.07s/60°	16.1kg.cm	18.2kg.cm	20.0kg.cm	23.0kg.cm	25T	40.7*20.4*39.5	64g	0.002ms	2BB	JR300mm
CLS2511SP	0.15s/60°	0.13s/60°	0.11s/60°	0.10s/60°	20.2kg.cm	22.3kg.cm	25.0kg.cm	28.5kg.cm	25T	40.7*20.4*39.5	73g	0.002ms	2BB	JR300mm
CLS3015SP	0.20s/60°	0.18s/60°	0.15s/60°	0.13s/60°	25.7kg.cm	27.8kg.cm	30.0kg.cm	35.0kg.cm	25T	40.7*20.4*39.5	73g	0.002ms	2BB	JR300mm
BRUSHLESS I 无刷电机														
BLS1204SP	0.07s/60°	0.05s/60°	0.04s/60°	0.03s/60°	8.70kg.cm	10.8kg.cm	12.0kg.cm	14.0kg.cm	25T	40.7*20.4*39.5	62g	0.002ms	2BB	JR300mm
BLS2206SP	0.09s/60°	0.07s/60°	0.06s/60°	0.05s/60°	17.7kg.cm	19.8kg.cm	22.0kg.cm	25.0kg.cm	25T	40.7*20.4*39.5	62g	0.002ms	2BB	JR300mm
BLS2507SP	0.10s/60°	0.08s/60°	0.07s/60°	0.06s/60°	20.0kg.cm	22.2kg.cm	25.0kg.cm	28.0kg.cm	25T	40.7*20.4*39.5	62g	0.002ms	2BB	JR300mm
BLS3009SP	0.13s/60°	0.11s/60°	0.09s/60°	0.08s/60°	24.7kg.cm	26.8kg.cm	30.0kg.cm	34.0kg.cm	25T	40.7*20.4*39.5	71g	0.002ms	2BB	JR300mm
BLS3512SP	0.16s/60°	0.14s/60°	0.12s/60°	0.11s/60°	29.0kg.cm	31.2kg.cm	35.0kg.cm	39.0kg.cm	25T	40.7*20.4*39.5	71g	0.002ms	2BB	JR300mm





MV Multivoltage | D Digital | Metal Gear | CNC Metal Case | WP IP67

PRODUCT FEATURE

- High quality potentiometer
- High-precision steel gears
- Full CNC aluminium case
- Dual ball bearings
- Waterproof

Item NO. 型号:	Operating Speed I 空载转速				Stall Torque I 堵转扭矩				Spline 花键	Dimensions (mm)尺寸	Weight 重量	Dead band width死区	Bearing 轴承	Connector plug线长
	5.0V	6.0V	7.4V	8.4V	5.0V	6.0V	7.4V	8.4V						
CORELESS I 空心杯电机														
CLS1004S	0.08s/60°	0.06s/60°	0.04s/60°	0.03s/60°	6.80kg.cm	9.00kg.cm	10.0kg.cm	11.5kg.cm	25T	40*20*40.9	71g	0.002ms	2BB	JR300mm
CLS1606S	0.09s/60°	0.07s/60°	0.06s/60°	0.05s/60°	12.0kg.cm	14.2kg.cm	16.0kg.cm	18.5kg.cm	25T	40*20*40.9	71g	0.002ms	2BB	JR300mm
CLS2008S	0.11s/60°	0.09s/60°	0.08s/60°	0.07s/60°	16.1kg.cm	18.2kg.cm	20.0kg.cm	23.0kg.cm	25T	40*20*40.9	71g	0.002ms	2BB	JR300mm
CLS2511S	0.15s/60°	0.13s/60°	0.11s/60°	0.10s/60°	20.2kg.cm	22.3kg.cm	25.0kg.cm	28.5kg.cm	25T	40*20*40.9	80g	0.002ms	2BB	JR300mm
CLS3015S	0.20s/60°	0.18s/60°	0.15s/60°	0.13s/60°	25.7kg.cm	27.8kg.cm	30.0kg.cm	35.0kg.cm	25T	40*20*40.9	80g	0.002ms	2BB	JR300mm
BRUSHLESS I 无刷电机														
BLS1204S	0.07s/60°	0.05s/60°	0.04s/60°	0.03s/60°	8.70kg.cm	10.8kg.cm	12.0kg.cm	14.0kg.cm	25T	40*20*40.9	69g	0.002ms	2BB	JR300mm
BLS2206S	0.09s/60°	0.07s/60°	0.06s/60°	0.05s/60°	17.7kg.cm	19.8kg.cm	22.0kg.cm	25.0kg.cm	25T	40*20*40.9	69g	0.002ms	2BB	JR300mm
BLS2507S	0.10s/60°	0.08s/60°	0.07s/60°	0.06s/60°	20.0kg.cm	22.2kg.cm	25.0kg.cm	28.0kg.cm	25T	40*20*40.9	69g	0.002ms	2BB	JR300mm
BLS3009S	0.13s/60°	0.11s/60°	0.09s/60°	0.08s/60°	24.7kg.cm	26.8kg.cm	30.0kg.cm	34.5kg.cm	25T	40*20*40.9	78g	0.002ms	2BB	JR300mm
BLS3512S	0.16s/60°	0.14s/60°	0.12s/60°	0.11s/60°	29.1kg.cm	31.2kg.cm	35.0kg.cm	39.0kg.cm	25T	40*20*40.9	78g	0.002ms	2BB	JR300mm



Digital

ITEM:	CLS00805		
Operating voltage I 工作电压:	3.5V	5.0V	
Operating Speed I 空载转速:	0.07s/60°	0.05s/60°	
Stall Torque I 堵转扭矩:	0.06kg.cm	0.08kg.cm	
Dimensions I 尺寸:	13.5*6.2*16mm/0.53x0.24x0.62in		
Operating voltage I 电压范围:	DC3.5V~5.0V	Gear I 齿轮:	Heavy duty resin
Dead band width I 死区:	2μs	Bearing I 轴承:	No
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive
Weight I 重量:	1.8g(0.06oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	Coreless motor



Digital

ITEM:	CLS0411H		
Operating voltage I 工作电压:	3.5V	5.0V	6.0V
Operating Speed I 空载转速:	0.07s/60°	0.06s/60°	0.05s/60°
Stall Torque I 堵转扭矩:	0.6kg.cm	0.7kg.cm	0.9kg.cm
Dimensions I 尺寸:	20.9*8.4*23.3mm/0.82x0.33x0.92in		
Operating voltage I 电压范围:	DC3.5V~6.0V	Gear I 齿轮:	Heavy duty resin
Dead band width I 死区:	2μs	Bearing I 轴承:	1BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive
Weight I 重量:	4.05g(0.14oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR85mm	Motor I 电机类型:	Coreless motor



Metal Gear Digital

ITEM:	CLS0511H		
Operating voltage I 工作电压:	3.5V	5.0V	6.0V
Operating Speed I 空载转速:	0.07s/60°	0.06s/60°	0.05s/60°
Stall Torque I 堵转扭矩:	0.6kg.cm	0.7kg.cm	0.9kg.cm
Dimensions I 尺寸:	20.9*8.4*23.3mm/0.82x0.33x0.92in		
Operating voltage I 电压范围:	DC3.5V~6.0V	Gear I 齿轮:	Heavy duty resin
Dead band width I 死区:	2μs	Bearing I 轴承:	1BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive
Weight I 重量:	5.3g(0.19oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR85mm	Motor I 电机类型:	Coreless motor



Metal Gear Digital

ITEM:	DCS2107		
Operating voltage I 工作电压:	4.8V	6.0V	
Operating Speed I 空载转速:	0.18s/60°	0.15s/60°	
Stall Torque I 堵转扭矩:	5.8kg.cm	7.1kg.cm	
Dimensions I 尺寸:	29.2*13.9*31mm/1.15x0.55x1.22in		
Operating voltage I 电压范围:	DC4.8V~5.0V	Gear I 齿轮:	Full metal
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T
Weight I 重量:	21.3g(0.06oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR185mm	Motor I 电机类型:	DC motor



Metal Gear CNC Metal Case MV Multivoltage Digital

ITEM:	CLS2025HHV			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.06s/60°	0.05s/60°	0.04s/60°	0.03s/60°
Stall Torque I 堵转扭矩:	3.0kg.cm	3.6kg.cm	4.2kg.cm	5.0kg.cm
Dimensions I 尺寸:	23*12*26.5mm /0.9x0.47x1.03in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive	
Weight I 重量:	20g(0.71oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR185mm	Motor I 电机类型:	Coreless motor	



Metal Gear | Metal Case | Multivoltage | Digital

ITEM:	CLS2035HHV			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.07s/60°	0.06s/60°	0.05s/60°	0.04s/60°
Stall Torque I 堵转扭矩:	3.8kg.cm	4.6kg.cm	5.5kg.cm	6.2kg.cm
Dimensions I 尺寸:	23*12*26.5mm /0.9x0.47x1.03in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive	
Weight I 重量:	20g(0.71oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR185mm	Motor I 电机类型:	Coreless motor	



Metal Gear | Metal Case | Multivoltage | Digital

ITEM:	CLS2845H			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.09s/60°	0.06s/60°	0.04s/60°	0.03s/60°
Stall Torque I 堵转扭矩:	3.3kg.cm	4.0kg.cm	5.0kg.cm	5.6kg.cm
Dimensions I 尺寸:	35*15*29mm /1.38x0.59x1.14in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	28g (0.99oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR255mm	Motor I 电机类型:	Coreless motor	



Metal Gear | Metal Case | Multivoltage | Digital

ITEM:	CLS2875H			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.12s/60°	0.10s/60°	0.08s/60°	0.07s/60°
Stall Torque I 堵转扭矩:	7.6kg.cm	8.4kg.cm	10kg.cm	11kg.cm
Dimensions I 尺寸:	35*15*29mm /1.38x0.59x1.14in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	28g (0.99oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR255mm	Motor I 电机类型:	Coreless motor	



Metal Gear | Digital | Metal Case | Multivoltage

PRODUCT FEATURE

- High quality potentiometer
- High-precision metal gears
- Full CNC aluminium case
- Dual ball bearings

Item NO. 型号:	Operating Speed I 空载转速				Stall Torque I 堵转扭矩				Spline 花键	Dimensions (mm)尺寸	Weight 重量	Dead band width死区	Bearing 轴承	Connector plug线长
	5.0V	6.0V	7.4V	8.4V	5.0V	6.0V	7.4V	8.4V						
CORELESS I 空心杯电机														
CLS4406HHV	0.07s/60°	0.05s/60°	0.03s/60°	0.02s/60°	4.40kg.cm	5.35kg.cm	6.65kg.cm	7.50kg.cm	25T	35*15*28.3	43g	0.002ms	2BB	JR255mm
CLS4411HHV	0.08s/60°	0.06s/60°	0.05s/60°	0.04s/60°	7.70kg.cm	9.30kg.cm	11.5kg.cm	13.0kg.cm	25T	35*15*28.3	43g	0.002ms	2BB	JR255mm
BRUSHLESS I 无刷电机														
BLS4406HHV	0.07s/60°	0.05s/60°	0.03s/60°	0.02s/60°	4.00kg.cm	4.90kg.cm	6.10kg.cm	7.00kg.cm	25T	35*15*28.3	44g	0.002ms	2BB	JR255mm
BLS4411HHV	0.09s/60°	0.07s/60°	0.05s/60°	0.04s/60°	8.00kg.cm	9.50kg.cm	11.5kg.cm	13.0kg.cm	25T	35*15*28.3	44g	0.002ms	2BB	JR255mm



Metal Gear | Digital | Metal Case | IP67 | High Voltage

PRODUCT FEATURE

- High quality potentiometer
- Middle CNC aluminium case
- High-precision metal gears
- Dual ball bearings
- Waterproof

Item NO. 型号:	Operating Speed I 空载转速				Stall Torque I 堵转扭矩				Spline 花键	Dimensions (mm)尺寸	Weight 重量	Dead band width死区	Bearing 轴承	Connector plug线长
	5.0V	6.0V	7.4V	8.4V	5.0V	6.0V	7.4V	8.4V						
CORELESS I 空心杯电机														
CLS4706HV	-	0.08s/60°	0.06s/60°	0.05s/60°	-	5.70kg.cm	7.50kg.cm	8.50kg.cm	25T	40.5*20*26	47.5g	0.002ms	2BB	JR320mm
CLS4710HV	-	0.10s/60°	0.08s/60°	0.07s/60°	-	10.2kg.cm	12.0kg.cm	13.6kg.cm	25T	40.5*20*26	47.5g	0.002ms	2BB	JR320mm
BRUSHLESS I 无刷电机														
BLS4707HV	-	0.05s/60°	0.03s/60°	0.02s/60°	-	5.80kg.cm	7.30kg.cm	8.20kg.cm	25T	40.5*20*26	47.5g	0.002ms	2BB	JR320mm
BLS4711HV	-	0.06s/60°	0.04s/60°	0.03s/60°	-	8.90kg.cm	11.1kg.cm	12.6kg.cm	25T	40.5*20*26	47.5g	0.002ms	2BB	JR320mm



WP IP67 | Digital

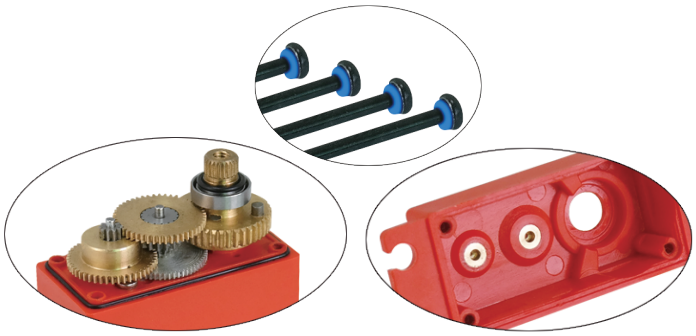
ITEM:	DCS4503C			
Operating voltage I 工作电压:	5.0V		6.0V	
Operating Speed I 空载转速:	0.12s/60°		0.10s/60°	
Stall Torque I 堵转扭矩:	3.1kg.cm		3.8kg.cm	
Dimensions I 尺寸:	40*20*38.3mm /1.57x0.79x1.51 in			
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Heavy duty resin	
Dead band width I 死区:	3μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	45g (1.59oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	DC motor	



WP IP67 | Digital

ITEM:	DCS4506C			
Operating voltage I 工作电压:	5.0V		6.0V	
Operating Speed I 空载转速:	0.14s/60°		0.12s/60°	
Stall Torque I 堵转扭矩:	5.5kg.cm		6.2kg.cm	
Dimensions I 尺寸:	40*20*38.3mm /1.57x0.79x1.51 in			
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Heavy duty resin	
Dead band width I 死区:	3μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	45g (1.59oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	DC motor	





PRODUCT FEATURE

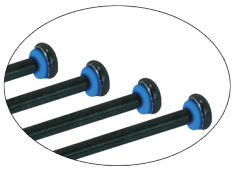
- High quality potentiometer
- High-precision metal gears
- Dual ball bearings
- Waterproof

Metal Gear | Digital | WP IP67 | High Voltage

Item NO. 型号:	Operating Speed I 空载转速				Stall Torque I 堵转扭矩				Spline 花键	Dimensions (mm)尺寸	Weight 重量	Dead band width死区	Bearing 轴承	Connector plug线长
	5.0V	6.0V	7.4V	8.4V	5.0V	6.0V	7.4V	8.4V						
CORE I 铁芯电机														
DCS5209C	0.15s/60°	0.13s/60°	-	-	8.50kg.cm	9.60kg.cm	-	-	25T	40*20*38.3	52g	0.003ms	2BB	JR300mm
DCS5213C	0.16s/60°	0.14s/60°	-	-	12.5kg.cm	13.5kg.cm	-	-	25T	40*20*38.3	52g	0.003ms	2BB	JR300mm
DCS5215C	0.19s/60°	0.17s/60°	-	-	14.1kg.cm	15.2kg.cm	-	-	25T	40*20*38.3	52g	0.003ms	2BB	JR300mm
DCS5209CHV	-	0.13s/60°	0.11s/60°	-	-	8.80kg.cm	9.50kg.cm	-	25T	40*20*38.3	52g	0.003ms	2BB	JR300mm
DCS5213CHV	-	0.16s/60°	0.14s/60°	-	-	12.5kg.cm	13.6kg.cm	-	25T	40*20*38.3	52g	0.003ms	2BB	JR300mm
DCS5215CHV	-	0.19s/60°	0.17s/60°	-	-	14.3kg.cm	15.5kg.cm	-	25T	40*20*38.3	52g	0.003ms	2BB	JR300mm







PRODUCT FEATURE

- High quality potentiometer
- High-precision metal gears
- Middle CNC aluminium case
- Dual ball bearings
- Waterproof

WP IP67 | HV High Voltage | CNC Metal Case | Metal Gear | D Digital

Item NO. 型号:	Operating Speed I 空载转速				Stall Torque I 堵转扭矩				Spline 花键	Dimensions (mm)尺寸	Weight 重量	Dead band width死区	Bearing 轴承	Connector plug线长
	5.0V	6.0V	7.4V	8.4V	5.0V	6.0V	7.4V	8.4V						
CORELESS I 空心杯电机														
CLS6217CHV	-	0.12s/60°	0.09s/60°	0.08s/60°	-	14.0kg.cm	17.3kg.cm	19.6kg.cm	25T	40.2*20*41	62g	0.002ms	2BB	JR320mm
CLS6221CHV	-	0.13s/60°	0.10s/60°	0.09s/60°	-	17.2kg.cm	21.2kg.cm	24.0kg.cm	25T	40.2*20*41	62g	0.002ms	2BB	JR320mm
CLS6224CHV	-	0.16s/60°	0.13s/60°	0.11s/60°	-	19.9kg.cm	24.6kg.cm	27.8kg.cm	25T	40.2*20*41	62g	0.002ms	2BB	JR320mm
CLS6227CHV	-	0.18s/60°	0.15s/60°	0.13s/60°	-	21.9kg.cm	27.0kg.cm	30.0kg.cm	25T	40.2*20*41	62g	0.002ms	2BB	JR320mm
CLS6108HHV	-	0.06s/60°	0.05s/60°	0.04s/60°	-	6.78kg.cm	8.35kg.cm	9.48kg.cm	25T	40.2*20*38	61g	0.002ms	2BB	JR320mm
CLS6111HHV	-	0.08s/60°	0.07s/60°	0.06s/60°	-	9.96kg.cm	11.5kg.cm	13.0kg.cm	25T	40.2*20*38	61g	0.002ms	2BB	JR320mm
CLS6114HHV	-	0.09s/60°	0.08s/60°	0.07s/60°	-	11.9kg.cm	14.6kg.cm	16.5kg.cm	25T	40.2*20*38	61g	0.002ms	2BB	JR320mm
CLS6117HHV	-	0.10s/60°	0.09s/60°	0.08s/60°	-	14.0kg.cm	17.2kg.cm	19.5kg.cm	25T	40.2*20*38	61g	0.002ms	2BB	JR320mm
CLS6122HHV	-	0.12s/60°	0.11s/60°	0.10s/60°	-	17.6kg.cm	22.5kg.cm	24.3kg.cm	25T	40.2*20*38	61g	0.002ms	2BB	JR320mm
BRUSHLESS I 无刷电机														
BLS6211CHV	-	0.08s/60°	0.06s/60°	0.05s/60°	-	9.85kg.cm	11.5kg.cm	13.0kg.cm	25T	40.2*20*41	62g	0.002ms	2BB	JR320mm
BLS6221CHV	-	0.10s/60°	0.08s/60°	0.07s/60°	-	17.5kg.cm	21.6kg.cm	24.5kg.cm	25T	40.2*20*41	62g	0.002ms	2BB	JR320mm
BLS6111HHV	-	0.05s/60°	0.04s/60°	0.03s/60°	-	8.50kg.cm	11.0kg.cm	12.5kg.cm	25T	40.2*20*41	62g	0.002ms	2BB	JR320mm
BLS6118HHV	-	0.08s/60°	0.07s/60°	0.06s/60°	-	15.3kg.cm	18.5kg.cm	21.4kg.cm	25T	40.2*20*41	62g	0.002ms	2BB	JR320mm







WP IP67 | HV High Voltage | CNC Metal Case | Metal Gear | D Digital

PRODUCT FEATURE

- High quality potentiometer
- High-precision metal gears
- Full CNC aluminium case
- Dual ball bearings
- Waterproof

Item NO. 型号:	Operating Speed I 空载转速				Stall Torque I 堵转扭矩				Spline 花键	Dimensions (mm)尺寸	Weight 重量	Dead band width死区	Bearing 轴承	Connector plug线长
	5.0V	6.0V	7.4V	8.4V	5.0V	6.0V	7.4V	8.4V						
CORELESS I 空心杯电机														
CLS6908HHV	-	0.06s/60°	0.05s/60°	0.04s/60°	-	6.78kg.cm	8.35kg.cm	9.48kg.cm	25T	40*20*39.5	69.5g	0.002ms	2BB	JR320mm
CLS6911HHV	-	0.08s/60°	0.07s/60°	0.06s/60°	-	8.50kg.cm	11.0kg.cm	12.5kg.cm	25T	40*20*39.5	69.5g	0.002ms	2BB	JR320mm
CLS6914HHV	-	0.10s/60°	0.09s/60°	0.08s/60°	-	11.8kg.cm	14.6kg.cm	16.5kg.cm	25T	40*20*39.5	69.5g	0.002ms	2BB	JR320mm
CLS66917HV	-	0.11s/60°	0.10s/60°	0.09s/60°	-	13.9kg.cm	17.2kg.cm	19.5kg.cm	25T	40*20*39.5	69.5g	0.002ms	2BB	JR320mm
BRUSHLESS I 无刷电机														
BLS6911HHV	-	0.05s/60°	0.04s/60°	0.03s/60°	-	8.50kg.cm	11.0kg.cm	12.5kg.cm	25T	40*20*39.5	69.5g	0.002ms	2BB	JR320mm
BLS6918HHV	-	0.08s/60°	0.07s/60°	0.06s/60°	-	15.3kg.cm	18.8kg.cm	21.4kg.cm	25T	40*20*39.5	69.5g	0.002ms	2BB	JR320mm
BLS7721CHV	-	0.10s/60°	0.08s/60°	0.07s/60°	-	17.5kg.cm	21.6kg.cm	24.5kg.cm	25T	40*20*39.5	77.5g	0.002ms	2BB	JR320mm
BLS7731CHV	-	0.15s/60°	0.13s/60°	0.11s/60°	-	25.4kg.cm	31.4kg.cm	35.6kg.cm	25T	40*20*39.5	77.5g	0.002ms	2BB	JR320mm
BLS7731HHV	-	0.11s/60°	0.10s/60°	0.09s/60°	-	22.0kg.cm	26.5kg.cm	28.4kg.cm	25T	40*20*39.5	77.5g	0.002ms	2BB	JR320mm



Steel Gear | CNC Metal Case | MV Multivoltage | WP IP67 | D Digital

ITEM:	DCS3520			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.28s/60°	0.25s/60°	0.20s/60°	0.19s/60°
Stall Torque I 堵转扭矩:	25kg.cm	30kg.cm	35kg.cm	40kg.cm
Dimensions I 尺寸:	40*20*40mm/1.56x0.78x1.56in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	3μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	80g(2.82oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR350mm	Motor I 电机类型:	DC motor	



Steel Gear | WP IP67 | CNC Metal Case | MV Multivoltage | D Digital

ITEM:	BLS4309			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.14s/60°	0.11s/60°	0.09s/60°	0.08s/60°
Stall Torque I 堵转扭矩:	30kg.cm	35kg.cm	43kg.cm	48kg.cm
Dimensions I 尺寸:	40*20*39.1mm/1.57x0.79x1.52in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	85g(2.99oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR310mm	Motor I 电机类型:	Brushless motor	



Steel Gear | WP IP67 | CNC Metal Case | MV Multivoltage | D Digital

ITEM:	BLS6013			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.20s/60°	0.17s/60°	0.13s/60°	0.12s/60°
Stall Torque I 堵转扭矩:	38kg.cm	47kg.cm	60kg.cm	66kg.cm
Dimensions I 尺寸:	40*20*39.1mm/1.57x0.79x1.52in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	85g(2.99oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR310mm	Motor I 电机类型:	Brushless motor	

KM SERIES SERVOS



D Digital

ITEM:	KM-02D		
Operating voltage I 工作电压:	3.5V	5.0V	
Operating Speed I 空载转速:	0.13s/60°	0.09s/60°	
Stall Torque I 堵转扭矩:	0.18kg.cm	0.25kg.cm	
Dimensions I 尺寸:	16.35*8.3*20.3mm/0.64x0.33x0.8in		
Operating voltage I 电压范围:	DC3.5V~5.0V	Gear I 齿轮:	Heavy duty resin
Dead band width I 死区:	4μs	Bearing I 轴承:	No
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive
Weight I 重量:	2.25g(0.079oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR100mm	Motor I 电机类型:	Coreless motor



Analog

ITEM:	KM-03A		
Operating voltage I 工作电压:	3.5V		5.0V
Operating Speed I 空载转速:	0.14s/60°		0.10s/60°
Stall Torque I 堵转扭矩:	0.36kg.cm		0.52kg.cm
Dimensions I 尺寸:	19.7*8.4*20 mm/0.85x0.47x0.83in		
Operating voltage I 电压范围:	DC3.5V~5.0V	Gear I 齿轮:	Heavy duty resin
Dead band width I 死区:	4μs	Bearing I 轴承:	No
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive
Weight I 重量:	3.02g(0.011oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR100mm	Motor I 电机类型:	Coreless motor



Metal Gear Digital

ITEM:	KM-04MD		
Operating voltage I 工作电压:	5.0V		6.0V
Operating Speed I 空载转速:	0.11s/60°		0.09s/60°
Stall Torque I 堵转扭矩:	0.75kg.cm		0.95kg.cm
Dimensions I 尺寸:	19.8*8.3*23 mm/0.77x0.32x0.9in		
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Full metal
Dead band width I 死区:	2μs	Bearing I 轴承:	No
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive
Weight I 重量:	5.5g(0.019oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR150mm	Motor I 电机类型:	Coreless motor



High Voltage Metal Gear Digital

ITEM:	KM-04MDHV		
Operating voltage I 工作电压:	5.0V	6.0V	7.4V
Operating Speed I 空载转速:	0.14s/60°	0.12s/60°	0.10s/60°
Stall Torque I 堵转扭矩:	0.85kg.cm	1.3kg.cm	1.6kg.cm
Dimensions I 尺寸:	19.8*8.3*23 mm/0.77x0.32x0.9in		
Operating voltage I 电压范围:	DC5.0V~7.4V	Gear I 齿轮:	Full metal
Dead band width I 死区:	2μs	Bearing I 轴承:	No
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive
Weight I 重量:	5.7g(0.20oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR150mm	Motor I 电机类型:	Coreless motor



Analog

ITEM:	KM-05A		
Operating voltage I 工作电压:	5.0V		6.0V
Operating Speed I 空载转速:	0.12s/60°		0.10s/60°
Stall Torque I 堵转扭矩:	1.2kg.cm		1.6kg.cm
Dimensions I 尺寸:	21.5*12*21mm/0.85x0.47x0.83in		
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Heavy duty resin
Dead band width I 死区:	4μs	Bearing I 轴承:	No
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive
Weight I 重量:	5.23g(0.018oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR180mm	Motor I 电机类型:	Coreless motor



Digital

ITEM:	KM-05D		
Operating voltage I 工作电压:	5.0V		6.0V
Operating Speed I 空载转速:	0.07s/60°		0.06s/60°
Stall Torque I 堵转扭矩:	1.5kg.cm		1.8kg.cm
Dimensions I 尺寸:	21.5*12*20mm/0.83x0.46x0.78in		
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Heavy duty resin
Dead band width I 死区:	4μs	Bearing I 轴承:	No
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive
Weight I 重量:	6.2g (0.21oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR310mm	Motor I 电机类型:	Coreless motor



Digital

ITEM:	KM-05MD			
Operating voltage I 工作电压:	5.0V		6.0V	
Operating Speed I 空载转速:	0.08s/60°		0.07s/60°	
Stall Torque I 堵转扭矩:	2.0kg.cm		2.4kg.cm	
Dimensions I 尺寸:	21.5*12*20mm/0.83x0.46x0.78in			
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Heavy duty resin	
Dead band width I 死区:	4μs	Bearing I 轴承:	No	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive	
Weight I 重量:	8.8g (0.31oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR310mm	Motor I 电机类型:	Coreless motor	



Analog

ITEM:	KM0918A			
Operating voltage I 工作电压:	5.0V		6.0V	
Operating Speed I 空载转速:	0.12s/60°		0.10s/60°	
Stall Torque I 堵转扭矩:	1.75kg.cm		2.13kg.cm	
Dimensions I 尺寸:	23.4*12*28.4mm/0.92x0.47x1.12in			
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Heavy duty resin	
Dead band width I 死区:	4μs	Bearing I 轴承:	No	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive	
Weight I 重量:	9.35g(0.33oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR180mm	Motor I 电机类型:	DC motor	



Digital

ITEM:	KM0918D			
Operating voltage I 工作电压:	5.0V		6.0V	
Operating Speed I 空载转速:	0.12s/60°		0.10s/60°	
Stall Torque I 堵转扭矩:	1.75kg.cm		2.13kg.cm	
Dimensions I 尺寸:	23.4*12*28.4mm/0.92x0.47x1.12in			
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Heavy duty resin	
Dead band width I 死区:	4μs	Bearing I 轴承:	No	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive	
Weight I 重量:	9.35g(0.33oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR180mm	Motor I 电机类型:	DC motor	



Metal Gear　MV Multivoltage　Digital

ITEM:	KM0918MD			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.17s/60°	0.14s/60°	0.11s/60°	0.09s/60°
Stall Torque I 堵转扭矩:	4.0kg.cm	5.0kg.cm	6.0kg.cm	7.0kg.cm
Dimensions I 尺寸:	23.8*11.7*22.2mm/0.94x0.46x0.86in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	1BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 25T	
Weight I 重量:	14g(0.56oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR190mm	Motor I 电机类型:	Coreless motor	



Analog

ITEM:	KM0940MA			
Operating voltage I 工作电压:	5.0V		6.0V	
Operating Speed I 空载转速:	0.14s/60°		0.12s/60°	
Stall Torque I 堵转扭矩:	4.3kg.cm		5.0kg.cm	
Dimensions I 尺寸:	23.8*11.7*21.5mm/0.93x0.46x0.84in			
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	4μs	Bearing I 轴承:	No	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 21T	
Weight I 重量:	13.8g(0.49oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	DC motor	



Metal Gear | Multivoltage | Digital

ITEM:	KM0940MD			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.14s/60°	0.12s/60°	0.11s/60°	0.10s/60°
Stall Torque I 堵转扭矩:	3.5kg.cm	4.3kg.cm	4.6kg.cm	5.0kg.cm
Dimensions I 尺寸:	23.8*11.7*21.5mm/0.93x0.46x0.84in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	4μs	Bearing I 轴承:	No	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 21T	
Weight I 重量:	13.8g(0.49oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	DC motor	



CNC Metal Case

Steel Gear | Multivoltage | Digital

ITEM:	KM1970MD			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.17s/60°	0.14s/60°	0.11s/60°	0.10s/60°
Stall Torque I 堵转扭矩:	8.0kg.cm	10.0kg.cm	12.0kg.cm	14.0kg.cm
Dimensions I 尺寸:	23.7*11.6*22.1mm/0.92x0.45x0.86in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	1BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 25T	
Weight I 重量:	17g(0.59oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR190mm	Motor I 电机类型:	Coreless motor	



CNC Metal Case

Steel Gear | Multivoltage | Digital

ITEM:	KM1970MDHV			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.17s/60°	0.14s/60°	0.11s/60°	0.10s/60°
Stall Torque I 堵转扭矩:	8.0kg.cm	10.0kg.cm	12.0kg.cm	14.0kg.cm
Dimensions I 尺寸:	23.7*11.6*22.1mm/0.92x0.45x0.86in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	1BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 25T	
Weight I 重量:	18g(0.63oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR190mm	Motor I 电机类型:	Coreless motor	



WP IP67

Metal Gear | High Voltage | Digital

ITEM:	KM2065		
Operating voltage I 工作电压:	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.13s/60°	0.11s/60°	0.10s/60°
Stall Torque I 堵转扭矩:	2.7kg.cm	4.5kg.cm	5.2kg.cm
Dimensions I 尺寸:	23.2*12.5*24.1mm/0.9x1.48x0.9in		
Operating voltage I 电压范围:	DC6.0V~8.4V	Gear I 齿轮:	Full metal
Dead band width I 死区:	4μs	Bearing I 轴承:	No
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T
Weight I 重量:	17g(0.59oz)	Waterproof I 防水:	Yes
Connector/plug I 线长:	JR350mm	Motor I 电机类型:	DC motor



CNC Metal Case

Steel Gear | Multivoltage | Digital

ITEM:	KM2050			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.10s/60°	0.08s/60°	0.07s/60°	0.06s/60°
Stall Torque I 堵转扭矩:	3.4kg.cm	4.0kg.cm	5.0kg.cm	5.5kg.cm
Dimensions I 尺寸:	23*12*23.4mm/0.89x0.46x0.91in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	1BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	20g(0.70oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR220mm	Motor I 电机类型:	Coreless motor	



WP IP67 | Metal Gear | Digital

ITEM:	KM0950MD			
Operating voltage I 工作电压:	5.0V		6.0V	
Operating Speed I 空载转速:	0.12s/60°		0.10s/60°	
Stall Torque I 堵转扭矩:	3.8kg.cm		4.5kg.cm	
Dimensions I 尺寸:	25.3*13.2*25.1mm/0.99x0.51x0.98in			
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	1BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 25T	
Weight I 重量:	17g(0.59oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR320mm	Motor I 电机类型:	DC motor	



WP IP67 | Metal Gear | Digital

ITEM:	KM0950MDHV			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.12s/60°	0.10s/60°	0.08s/60°	0.07s/60°
Stall Torque I 堵转扭矩:	4.2kg.cm	4.8kg.cm	5.5kg.cm	5.2kg.cm
Dimensions I 尺寸:	25.3*13.2*25.1mm/0.99x0.51x0.98in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	1BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 25T	
Weight I 重量:	17g(0.59oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR320mm	Motor I 电机类型:	DC motor	



WP IP67 | Metal Gear | Digital

ITEM:	KM1850MD			
Operating voltage I 工作电压:	5.0V		6.0V	
Operating Speed I 空载转速:	0.14s/60°		0.12s/60°	
Stall Torque I 堵转扭矩:	5.0kg.cm		6.0kg.cm	
Dimensions I 尺寸:	26*14*22.6mm/1.01x0.54x0.88in			
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	1BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 21T	
Weight I 重量:	18g(0.63oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	DC motor	



MV Multivoltage | CNC Metal Case | Metal Gear | Digital

ITEM:	KM1203MDT			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.07s/60°	0.06s/60°	0.05s/60°	0.04s/60°
Stall Torque I 堵转扭矩:	4.6kg.cm	5.8kg.cm	6.6kg.cm	7.2kg.cm
Dimensions I 尺寸:	23*12*27.5mm/0.91x0.47x1.07in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 25T	
Weight I 重量:	20.3g(0.72oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR320mm	Motor I 电机类型:	Coreless motor	



MV Multivoltage | CNC Metal Case | Metal Gear | Digital

ITEM:	KM1203MD			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.10s/60°	0.08s/60°	0.06s/60°	0.05s/60°
Stall Torque I 堵转扭矩:	6.0kg.cm	7.4kg.cm	9.5kg.cm	10.5kg.cm
Dimensions I 尺寸:	23*12*27.5mm/0.91x0.47x1.07in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 25T	
Weight I 重量:	20.3g(0.72oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR320mm	Motor I 电机类型:	Coreless motor	



Digital

ITEM:	KM1703D			
Operating voltage I 工作电压:	5.0V		6.0V	
Operating Speed I 空载转速:	0.16s/60°		0.13s/60°	
Stall Torque I 堵转扭矩:	3.5kg.cm		4.2kg.cm	
Dimensions I 尺寸:	26.6*12.8*28.7mm/1.03x0.49x1.12in			
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Heavy duty resin	
Dead band width I 死区:	4μs	Bearing I 轴承:	1BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive	
Weight I 重量:	17g(0.59oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR315mm	Motor I 电机类型:	DC motor	



Metal Gear Digital

ITEM:	KM1703MD			
Operating voltage I 工作电压:	5.0V		6.0V	
Operating Speed I 空载转速:	0.16s/60°		0.13s/60°	
Stall Torque I 堵转扭矩:	4.5kg.cm		5.6kg.cm	
Dimensions I 尺寸:	26.6*12.8*28.7mm /1.03x0.49x1.12in			
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	4μs	Bearing I 轴承:	1BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive	
Weight I 重量:	20g(0.70oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR315mm	Motor I 电机类型:	DC motor	



Metal Gear Digital MV Multivoltage

ITEM:	KM1703MDHV			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.15s/60°	0.13s/60°	0.11s/60°	0.09s/60°
Stall Torque I 堵转扭矩:	6.0kg.cm	7.4kg.cm	9.5kg.cm	10.5kg.cm
Dimensions I 尺寸:	28.1*12.9*27mm/1.09x0.50x1.05in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	20g(0.70oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR320mm	Motor I 电机类型:	DC motor	



MV Multivoltage
CNC Metal Case Metal Gear Digital

ITEM:	KM2612MDHV			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.18s/60°	0.15s/60°	0.12s/60°	0.11s/60°
Stall Torque I 堵转扭矩:	9.0kg.cm	10kg.cm	12kg.cm	14kg.cm
Dimensions I 尺寸:	28*12.6*27mm/1.09x0.49x1.05in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	26g(0.91oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR310mm	Motor I 电机类型:	Coreless motor	



Digital

ITEM:	KM2530D			
Operating voltage I 工作电压:	5.0V		6.0V	
Operating Speed I 空载转速:	0.16s/60°		0.13s/60°	
Stall Torque I 堵转扭矩:	5.0kg.cm		5.5kg.cm	
Dimensions I 尺寸:	36*15*29mm/1.40x0.58x1.13in			
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Heavy duty resin	
Dead band width I 死区:	4μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	20g (0.70oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR165mm	Motor I 电机类型:	DC motor	



CNC Metal Case | Metal Gear | D Digital

ITEM:	KM4409MD		
Operating voltage I 工作电压:	4.8V	6.0V	
Operating Speed I 空载转速:	0.13s/60°	0.11s/60°	
Stall Torque I 堵转扭矩:	8.65kg.cm	9.45kg.cm	
Dimensions I 尺寸:	40.9*20.3*29mm/1.61x0.80x1.16in		
Operating voltage I 电压范围:	DC4.8V~6.0V	Gear I 齿轮:	Full metal
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T
Weight I 重量:	42.6g(1.5oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR265mm	Motor I 电机类型:	DC motor



WP IP67 | D Digital

ITEM:	KM3811D		
Operating voltage I 工作电压:	5.0V	6.0V	
Operating Speed I 空载转速:	0.16s/60°	0.14s/60°	
Stall Torque I 堵转扭矩:	10kg.cm	11kg.cm	
Dimensions I 尺寸:	40.5*20.3*36.5mm/1.57x0.79x1.42in		
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Heavy duty resin
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T
Weight I 重量:	38g(1.34oz)	Waterproof I 防水:	Yes
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	DC motor



WP IP67 | MV Multivoltage | D Digital

ITEM:	KM3811DHV			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.16s/60°	0.14s/60°	0.13s/60°	0.12s/60°
Stall Torque I 堵转扭矩:	8.5kg.cm	9.0kg.cm	10kg.cm	11kg.cm
Dimensions I 尺寸:	40.5*20.3*36.5mm/1.57x0.79x1.42in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Heavy duty resin	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	38g(1.34oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	DC motor	

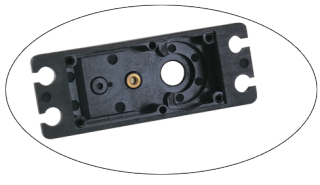


Metal Gear | D Digital

ITEM:	KM5720MD		
Operating voltage I 工作电压:	5.0V	6.0V	
Operating Speed I 空载转速:	0.29s/60°	0.24s/60°	
Stall Torque I 堵转扭矩:	20kg.cm	25kg.cm	
Dimensions I 尺寸:	40*20.3*40.1mm/1.56x0.79x1.56in		
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Full metal
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T
Weight I 重量:	57g(2.01oz)	Waterproof I 防水:	Yes
Connector/plug I 线长:	JR165mm	Motor I 电机类型:	DC motor



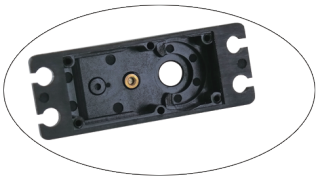




D Digital | Metal Gear | A Analog

Item NO. 型号:	Operating Speed I 空载转速				Stall Torque I 堵转扭矩				Spline 花键	Dimensions (mm)尺寸	Weight 重量	Dead band width死区	Bearing 轴承	Connector plug线长
	5.0V	6.0V	7.4V	8.4V	5.0V	6.0V	7.4V	8.4V						
CORE I 铁芯电机														
KM5509MA	0.15s/60°	0.13s/60°	-	-	8.65kg.cm	9.35kg.cm	-	-	25T	40.5*20.2*38.9	55.6g	0.004ms	2BB	JR265mm
KM5509MD	0.15s/60°	0.12s/60°	-	-	8.89kg.cm	9.98kg.cm	-	-	25T	40.5*20.2*38.9	55.6g	0.002ms	2BB	JR265mm
KM5513MA	0.20s/60°	0.18s/60°	-	-	11.7kg.cm	13.0kg.cm	-	-	25T	40.5*20.2*38.9	55.6g	0.004ms	2BB	JR265mm
KM5513MD	0.20s/60°	0.18s/60°	-	-	11.8kg.cm	12.2kg.cm	-	-	25T	40.5*20.2*38.9	55.6g	0.002ms	2BB	JR265mm

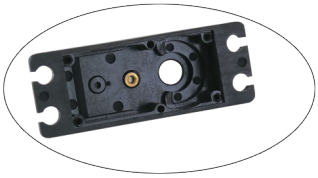




CNC Metal Case | D Digital | Metal Gear | A Analog

Item NO. 型号:	Operating Speed I 空载转速				Stall Torque I 堵转扭矩				Spline 花键	Dimensions (mm)尺寸	Weight 重量	Dead band width死区	Bearing 轴承	Connector plug线长
	5.0V	6.0V	7.4V	8.4V	5.0V	6.0V	7.4V	8.4V						
CORE I 铁芯电机														
KM5508MD	0.13s/60°	0.11s/60°	-	-	8.75kg.cm	9.86kg.cm	-	-	25T	40.5*20.2*38.9	60g	0.002ms	2BB	JR265mm
KM5515MD	0.18s/60°	0.15s/60°	-	-	13.8kg.cm	16.4kg.cm	-	-	25T	40.5*20.2*38.9	60g	0.002ms	2BB	JR265mm
KM5515MA	0.18s/60°	0.16s/60°	-	-	14.2kg.cm	15.3kg.cm	-	-	25T	40.5*20.2*38.9	60g	0.004ms	2BB	JR265mm
KM5512MD	0.18s/60°	0.16s/60°	-	-	11.8kg.cm	12.5kg.cm	-	-	25T	40.5*20.2*38.9	60g	0.002ms	2BB	JR265mm
KM5520MA	0.19s/60°	0.17s/60°	-	-	19.2kg.cm	20.3kg.cm	-	-	25T	40.5*20.2*38.9	60g	0.004ms	2BB	JR265mm
KM5520MD	0.19s/60°	0.16s/60°	-	-	17.8kg.cm	20.2kg.cm	-	-	25T	40.5*20.2*38.9	60g	0.002ms	2BB	JR265mm



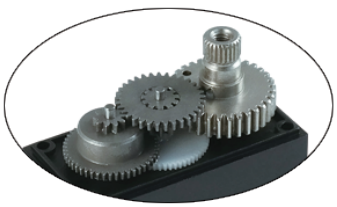


HV High Voltage | CNC Metal Case | D Digital | Metal Gear

Item NO. 型号:	Operating Speed I 空载转速				Stall Torque I 堵转扭矩				Spline 花键	Dimensions (mm)尺寸	Weight 重量	Dead band width死区	Bearing 轴承	Connector plug线长
	5.0V	6.0V	7.4V	8.4V	5.0V	6.0V	7.4V	8.4V						
CORELESS I 空心杯电机														
KM5514MDHV	-	0.11s/60°	0.09s/60°	-	-	11.6kg.cm	13.2kg.cm	-	25T	40*20*36.5	61g	0.002ms	2BB	JR265mm
KM5521MDHV	-	0.16s/60°	0.14s/60°	-	-	18.5kg.cm	21.3kg.cm	-	25T	40*20*36.5	61g	0.002ms	2BB	JR265mm
BRUSHLESS I 无刷电机														
KM5308MDHV	-	0.05s/60°	0.04s/60°	-	-	6.30kg.cm	8.50kg.cm	-	25T	40*20*36.5	62g	0.002ms	2BB	JR265mm
KM5325MDHV	-	0.09s/60°	0.08s/60°	-	-	22.3kg.cm	26.5kg.cm	-	25T	40*20*36.5	62g	0.002ms	2BB	JR265mm

SAIL WINCH SERVOS





A Analog | Metal Gear

Item NO. 型号:	Operating Speed I 空载转速				Stall Torque I 堵转扭矩				Spline 花键	Dimensions (mm)尺寸	Weight 重量	Turn 圈数	Bearing 轴承	Connector plug线长
	5.0V	6.0V	7.4V	8.4V	5.0V	6.0V	7.4V	8.4V						
CORE I 铁芯电机														
SW4805-1.5PA	0.90s/360°	0.70s/360°	-	-	5.25kg.cm	6.13kg.cm	-	-	25T	40.5*20.2*38	45g	1.5~1.7T	2B	JR265mm
SW4805-2PA	0.90s/360°	0.70s/360°	-	-	5.25kg.cm	6.13kg.cm	-	-	25T	40.5*20.2*38	45g	2.3~2.6T	2B	JR265mm
SW4805-4PA	0.90s/360°	0.70s/360°	-	-	5.25kg.cm	6.13kg.cm	-	-	25T	40.5*20.2*38	45g	4~4.5T	2B	JR265mm
SW4805-6PA	0.90s/360°	0.70s/360°	-	-	5.25kg.cm	6.13kg.cm	-	-	25T	40.5*20.2*38	45g	5.5~6T	2B	JR265mm
SW5513-4MA	1.10s/360°	0.90s/360°	-	-	9.24kg.cm	10.6kg.cm	-	-	25T	40.5*20.2*38	55g	4~4.5T	2B	JR265mm
SW5513-6MA	1.10s/360°	0.90s/360°	-	-	9.24kg.cm	10.6kg.cm	-	-	25T	40.5*20.2*38	55g	5.5~6T	2B	JR265mm



Metal Gear | Digital

ITEM:	SW5508-2MD			
Operating voltage I 工作电压:	5.0V	6.0V		
Operating Speed I 空载转速:	0.60s/360°	0.50s/360°		
Stall Torque I 堵转扭矩:	7.3kg.cm	8.8kg.cm		
Dimensions I 尺寸:	40.5*20.2*38mm/1.59X0.80X1.50in			
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Full metal	
Turn I 圈数:	2~2.3T	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	58g (2.05oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR265mm	Motor I 电机类型:	DC motor	



CNC Metal Case | Metal Gear | Digital

ITEM:	SW6109MD			
Operating voltage I 工作电压:	5.0V	6.0V		
Operating Speed I 空载转速:	0.24s/360°	0.18s/360°		
Stall Torque I 堵转扭矩:	7.92kg.cm	9.02kg.cm		
Dimensions I 尺寸:	40.5*20.2*38mm/1.59X0.80X1.50in			
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Full metal	
Turn I 圈数:	1~6T	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	61g (2.15oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR265mm	Motor I 电机类型:	Coreless motor	



CNC Metal Case | Metal Gear | Digital

ITEM:	SW6114MD			
Operating voltage I 工作电压:	5.0V	6.0V		
Operating Speed I 空载转速:	0.72s/360°	0.60s/360°		
Stall Torque I 堵转扭矩:	12.3kg.cm	14.5kg.cm		
Dimensions I 尺寸:	40.5*20.2*38mm/1.59X0.80X1.50in			
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Full metal	
Turn I 圈数:	1~6T	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	61g (2.15oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR265mm	Motor I 电机类型:	Coreless motor	

Programmable turns from 1~8T





MV Multivoltage | Digital | Steel Gear | CNC Metal Case | WP IP67

PRODUCT FEATURE

- High quality potentiometer
- Durable steel gears
- Full CNC aluminium case
- Dual ball bearings
- low power consumption and
- super long working life
- Waterproof

Item NO. 型号:	Operating Speed I 空载转速				Stall Torque I 堵转扭矩				Spline 花键	Dimensions (mm)尺寸	Weight 重量	Turn 圈数	Bearing 轴承	Connector plug线长
	5.0V	6.0V	7.4V	8.4V	5.0V	6.0V	7.4V	8.4V						
CORELESS I 空心杯电机														
SW01CS	0.48s/360°	0.42s/360°	0.36s/360°	0.30s/360°	12.0kg.cm	14.5kg.cm	18.0kg.cm	20.0kg.cm	25T	40*20*36.5	82g	1~8T	2BB	JR320mm
SW02CS	0.72s/360°	0.60s/360°	0.48s/360°	0.42s/360°	20.0kg.cm	25.0kg.cm	28.0kg.cm	30.0kg.cm	25T	40*20*36.5	82g	1~8T	2BB	JR320mm
BRUSHLESS I 无刷电机														
SW01BS	0.54s/360°	0.48s/360°	0.36s/360°	0.30s/360°	18.4kg.cm	22.3kg.cm	28.0kg.cm	30.6kg.cm	25T	40*20*36.5	85g	1~8T	2BB	JR320mm
SW02BS	0.96s/360°	0.78s/360°	0.60s/360°	0.30s/360°	12.0kg.cm	14.5kg.cm	18.0kg.cm	20.0kg.cm	25T	40*20*36.5	85g	1~8T	2BB	JR320mm



Programmable turns from 1.5~7T

CNC Metal Case | WP IP67 | Metal Gear | D Digital | MV Multivoltage

ITEM:	SW22HV			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.62s/360°	0.52s/360°	0.43s/360°	0.37s/360°
Stall Torque I 堵转扭矩:	14.3kg.cm	17.8kg.cm	22kg.cm	24.6kg.cm
Dimensions I 尺寸:	40.5*20.2*39.5mm /1.57x0.78x1.54in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Turn I 圈数:	1.5~7T	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	68g(2.39oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR270mm	Motor I 电机类型:	Coreless motor	

WING SERVOS



Metal Gear | Digital

ITEM:	C106		
Operating voltage I 工作电压:	3.5V	5.0V	6.0V
Operating Speed I 空载转速:	0.08s/60°	0.06s/60°	0.05s/60°
Stall Torque I 堵转扭矩:	0.7kg.cm	1.0kg.cm	1.5kg.cm
Dimensions I 尺寸:	17*8.8*17.5mm/0.66x0.34x0.68in		
Operating voltage I 电压范围:	DC3.5V~6.0V	Gear I 齿轮:	Full metal
Dead band width I 死区:	2μs	Bearing I 轴承:	1BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive
Weight I 重量:	5g(0.17oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR95mm	Motor I 电机类型:	Coreless motor



CNC Metal Case | Metal Gear | Digital

ITEM:	C126		
Operating voltage I 工作电压:	3.5V	5.0V	6.0V
Operating Speed I 空载转速:	0.08s/60°	0.06s/60°	0.05s/60°
Stall Torque I 堵转扭矩:	0.8kg.cm	1.2kg.cm	1.5kg.cm
Dimensions I 尺寸:	17*8.8*17.5mm/0.66x0.34x0.68in		
Operating voltage I 电压范围:	DC3.5V~6.0V	Gear I 齿轮:	Full metal
Dead band width I 死区:	2μs	Bearing I 轴承:	1BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive
Weight I 重量:	7g(0.24oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR95mm	Motor I 电机类型:	Coreless motor



CNC Metal Case | D Digital | Metal Gear | MV Multivoltage

ITEM:	C308				
Operating voltage I 工作电压:	3.5V	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.17s/60°	0.13s/60°	0.10s/60°	0.08s/60°	0.07s/60°
Stall Torque I 堵转扭矩:	1.2kg.cm	1.6kg.cm	1.9kg.cm	2.5kg.cm	3.0kg.cm
Dimensions I 尺寸:	23*6*21mm /0.90x0.23x0.82in				
Operating voltage I 电压范围:	DC3.5V~8.4V	Gear I 齿轮:	Full metal		
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB		
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 15T		
Weight I 重量:	8g(0.28oz)	Waterproof I 防水:	No		
Connector/plug I 线长:	JR180mm	Motor I 电机类型:	Coreless motor		



CNC Metal Case | D Digital | Metal Gear | MV Multivoltage

ITEM:	C410				
Operating voltage I 工作电压:	3.5V	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.23s/60°	0.15s/60°	0.13s/60°	0.10s/60°	0.08s/60°
Stall Torque I 堵转扭矩:	2.1kg.cm	3.1kg.cm	3.7kg.cm	4.2kg.cm	4.7kg.cm
Dimensions I 尺寸:	23*6*25mm /0.90x0.23x0.98in				
Operating voltage I 电压范围:	DC3.5V~8.4V	Gear I 齿轮:	Full metal		
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB		
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 15T		
Weight I 重量:	9g(0.31oz)	Waterproof I 防水:	No		
Connector/plug I 线长:	JR180mm	Motor I 电机类型:	Coreless motor		



D Digital | Metal Gear

ITEM:	KM1002MD			
Operating voltage I 工作电压:	4.8V	6.0V		
Operating Speed I 空载转速:	0.12s/60°	0.10s/60°		
Stall Torque I 堵转扭矩:	1.4kg.cm	1.9kg.cm		
Dimensions I 尺寸:	23.5*8*24 mm/0.9x0.31x0.93in			
Operating voltage I 电压范围:	DC4.8V~6.0V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive	
Weight I 重量:	9.4g(0.33oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR150mm	Motor I 电机类型:	DC motor	



HV High Voltage | D Digital | Metal Gear

ITEM:	KM1026MDHV			
Operating voltage I 工作电压:	6.0V	7.4V		
Operating Speed I 空载转速:	0.09s/60°	0.07s/60°		
Stall Torque I 堵转扭矩:	2.0kg.cm	2.6kg.cm		
Dimensions I 尺寸:	23.5*8*24 mm/0.9x0.31x0.93in			
Operating voltage I 电压范围:	DC6.0V~7.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive	
Weight I 重量:	9.4g(0.33oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR150mm	Motor I 电机类型:	DC motor	



CNC Metal Case | D Digital | Metal Gear | MV Multivoltage

ITEM:	CLS0309W				
Operating voltage I 工作电压:	3.5V	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.16s/60°	0.10s/60°	0.08s/60°	0.07s/60°	0.06s/60°
Stall Torque I 堵转扭矩:	2.0kg.cm	3.0kg.cm	4.0kg.cm	4.5kg.cm	5.0kg.cm
Dimensions I 尺寸:	23.5x8x20mm/0.92x0.31x0.78in				
Operating voltage I 电压范围:	DC3.5V~8.4V	Gear I 齿轮:	Full metal		
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB		
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 15T		
Weight I 重量:	8.6g(0.30oz)	Waterproof I 防水:	No		
Connector/plug I 线长:	JR120mm	Motor I 电机类型:	Coreless motor		



HV High Voltage | D Digital | Metal Gear

ITEM:	C407			
Operating voltage I 工作电压:	3.5V	5.0V	6.0V	7.4V
Operating Speed I 空载转速:	0.15s/60°	0.10s/60°	0.08s/60°	0.07s/60°
Stall Torque I 堵转扭矩:	1.6kg.cm	2.6kg.cm	3.2kg.cm	3.8kg.cm
Dimensions I 尺寸:	23.7*9*20mm/0.92x0.35x0.78in			
Operating voltage I 电压范围:	DC3.5V~7.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 15T	
Weight I 重量:	9g(0.31oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR120mm	Motor I 电机类型:	Coreless motor	



CNC Metal Case | D Digital | Metal Gear | MV Multivoltage

ITEM:	D507			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.10s/60°	0.08s/60°	0.06s/60°	0.058s/60°
Stall Torque I 堵转扭矩:	3.0kg.cm	3.3kg.cm	4.5kg.cm	4.6kg.cm
Dimensions I 尺寸:	23.5*8*20mm /0.91x0.31x0.78in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 15T	
Weight I 重量:	11g(0.38oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR180mm	Motor I 电机类型:	DC motor	



CNC Metal Case | D Digital | Metal Gear | MV Multivoltage

ITEM:	C507				
Operating voltage I 工作电压:	3.5V	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.15s/60°	0.10s/60°	0.08s/60°	0.07s/60°	0.06s/60°
Stall Torque I 堵转扭矩:	2.0kg.cm	3.2kg.cm	4.0kg.cm	4.9kg.cm	5.3kg.cm
Dimensions I 尺寸:	23.5*8*20mm /0.91x0.31x0.78in				
Operating voltage I 电压范围:	DC3.5V~8.4V	Gear I 齿轮:	Full metal		
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB		
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 15T		
Weight I 重量:	11g(0.38oz)	Waterproof I 防水:	No		
Connector/plug I 线长:	JR180mm	Motor I 电机类型:	Coreless motor		



CNC Metal Case | D Digital | Metal Gear | MV Multivoltage

ITEM:	CLS0506W			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.10s/60°	0.08s/60°	0.06s/60°	0.058s/60°
Stall Torque I 堵转扭矩:	3.0kg.cm	3.8kg.cm	4.7kg.cm	5.2kg.cm
Dimensions I 尺寸:	23.5*8*20mm/0.91x0.31x0.78in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 15T	
Weight I 重量:	9.8g(0.38oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR100mm	Motor I 电机类型:	Coreless motor	



CNC Metal Case | D Digital | Metal Gear | MV Multivoltage

ITEM:	CLS0606W			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.09s/60°	0.08s/60°	0.06s/60°	0.05s/60°
Stall Torque I 堵转扭矩:	3.8kg.cm	4.7kg.cm	6.0kg.cm	6.5kg.cm
Dimensions I 尺寸:	24*8.5*27mm/0.93x0.33x1.05in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 25T	
Weight I 重量:	14g(0.49oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR160mm	Motor I 电机类型:	Coreless motor	



CNC Metal Case | D Digital | Metal Gear | MV Multivoltage

ITEM:	CLS0810W			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.15s/60°	0.13s/60°	0.10s/60°	0.09s/60°
Stall Torque I 堵转扭矩:	6.2kg.cm	7.0kg.cm	8.0kg.cm	9.0kg.cm
Dimensions I 尺寸:	24*8.5*27mm/0.93x0.33x1.05in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 25T	
Weight I 重量:	14g(0.49oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR160mm	Motor I 电机类型:	Coreless motor	



CNC Metal Case | D Digital | Metal Gear | MV Multivoltage

ITEM:	CLS0408W			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.13s/60°	0.10s/60°	0.08s/60°	0.07s/60°
Stall Torque I 堵转扭矩:	2.8kg.cm	3.2kg.cm	4.0kg.cm	4.5kg.cm
Dimensions I 尺寸:	25*8*24.8mm/0.97x0.31x0.96in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 25T	
Weight I 重量:	16.7g(0.58oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	Coreless motor	



D Digital | Metal Gear

ITEM:	KM2106MD			
Operating voltage I 工作电压:	4.8V		5.0V	
Operating Speed I 空载转速:	0.16s/60°		0.13s/60°	
Stall Torque I 堵转扭矩:	4.8kg.cm		5.8kg.cm	
Dimensions I 尺寸:	30*10*35.5 mm/1.17x0.39x1.38in			
Operating voltage I 电压范围:	DC4.8V~6.0V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive	
Weight I 重量:	21g(0.74oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR220mm	Motor I 电机类型:	DC motor	



HV High Voltage | D Digital | Metal Gear

ITEM:	KM2108MDHV			
Operating voltage I 工作电压:	6.0V		7.4V	
Operating Speed I 空载转速:	0.14s/60°		0.12s/60°	
Stall Torque I 堵转扭矩:	6.8kg.cm		7.9kg.cm	
Dimensions I 尺寸:	30*10*35.5 mm/1.17x0.39x1.38in			
Operating voltage I 电压范围:	DC6.0V~7.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive	
Weight I 重量:	21g(0.74oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR220mm	Motor I 电机类型:	DC motor	



CNC Metal Case | D Digital | Metal Gear | HV High Voltage

ITEM:	KM2607MD		
Operating voltage I 工作电压:	5.0V	6.0V	7.4V
Operating Speed I 空载转速:	0.16s/60°	0.13s/60°	0.11s/60°
Stall Torque I 堵转扭矩:	7.2kg.cm	8.0kg.cm	9.7kg.cm
Dimensions I 尺寸:	30*10*35 mm/1.18x0.39x1.37in		
Operating voltage I 电压范围:	DC5.0V~7.4V	Gear I 齿轮:	Full metal
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 25T
Weight I 重量:	28.4g(1.11oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR180mm	Motor I 电机类型:	DC motor



CNC Metal Case | D Digital | Metal Gear | MV Multivoltage

ITEM:	CLS0512W			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.13s/60°	0.10s/60°	0.08s/60°	0.07s/60°
Stall Torque I 堵转扭矩:	7.5kg.cm	8.5kg.cm	9.0kg.cm	10kg.cm
Dimensions I 尺寸:	25*8*34.3mm/0.97x0.31x1.33in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	1BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 25T	
Weight I 重量:	21g(0.74oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	Coreless motor	



CNC Metal Case | Digital | Metal Gear | MV Multivoltage

ITEM:	CLS0912W			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.13s/60°	0.10s/60°	0.08s/60°	0.07s/60°
Stall Torque I 堵转扭矩:	7.5kg.cm	8.5kg.cm	9.0kg.cm	10kg.cm
Dimensions I 尺寸:	25*8*34.3mm/0.97x0.31x1.33in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 15T	
Weight I 重量:	21g(0.74oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	Coreless motor	



CNC Metal Case | Digital | Metal Gear | MV Multivoltage

ITEM:	CLS0612W			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.14s/60°	0.12s/60°	0.10s/60°	0.09s/60°
Stall Torque I 堵转扭矩:	5.4kg.cm	6.2kg.cm	7.5kg.cm	8.5kg.cm
Dimensions I 尺寸:	30*10*30mm /1.17x0.39x1.17in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 25T	
Weight I 重量:	23g(0.81oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR220mm	Motor I 电机类型:	Coreless motor	



CNC Metal Case | Digital | Metal Gear | MV Multivoltage

ITEM:	CLS0911W			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.16s/60°	0.13s/60°	0.11s/60°	0.10s/60°
Stall Torque I 堵转扭矩:	7.2kg.cm	8.7kg.cm	10kg.cm	11kg.cm
Dimensions I 尺寸:	30*10*35.5 mm /1.18x0.39x1.4in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Full metal	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 25T	
Weight I 重量:	26.2g(0.92oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR185mm	Motor I 电机类型:	Coreless motor	



CNC Metal Case | Digital | Steel Gear | MV Multivoltage

ITEM:	CLS2013W			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.19s/60°	0.16s/60°	0.13s/60°	0.11s/60°
Stall Torque I 堵转扭矩:	14.8kg.cm	17kg.cm	20kg.cm	21kg.cm
Dimensions I 尺寸:	30*10*35.5mm/1.18x0.39x1.4in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 25T	
Weight I 重量:	28.2g(0.99oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR185mm	Motor I 电机类型:	Coreless motor	



CNC Metal Case | Digital | Steel Gear | MV Multivoltage

ITEM:	CLS1510W			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.16s/60°	0.13s/60°	0.10s/60°	0.09s/60°
Stall Torque I 堵转扭矩:	12kg.cm	13.7kg.cm	15kg.cm	17.8kg.cm
Dimensions I 尺寸:	30*12*35mm/1.17x0.46x1.36in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 25T	
Weight I 重量:	33.5g(1.18oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR215mm	Motor I 电机类型:	Coreless motor	



CNC Metal Case | D Digital | Steel Gear | MV Multivoltage

ITEM:	CLS2713W			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.19s/60°	0.16s/60°	0.13s/60°	0.12s/60°
Stall Torque I 堵转扭矩:	18kg.cm	23kg.cm	27kg.cm	30kg.cm
Dimensions I 尺寸:	30*12*35mm/1.17x0.46x1.36in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Mini 25T	
Weight I 重量:	34.3g(1.21oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR215mm	Motor I 电机类型:	Coreless motor	

CONTINUOUS ROTATION SERVOS



WP IP67 | CNC Metal Case | D Digital | Steel Gear | MV Multivoltage

ITEM:	W04BS			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	1.08s/360°	0.9s/360°	0.78s/360°	0.6s/360°
Stall Torque I 堵转扭矩:	26.8kg.cm	30kg.cm	36kg.cm	40kg.cm
Dimensions I 尺寸:	40*20*28.5mm /1.56x0.78x1.11in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	65g(2.29oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR320mm	Motor I 电机类型:	Brushless motor	

UAV SERVOS



CNC Metal Case | D Digital | Steel Gear | MV Multivoltage

ITEM:	UAV589			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.12s/60°	0.09s/60°	0.08s/60°	0.07s/60°
Stall Torque I 堵转扭矩:	8.0kg.cm	10kg.cm	12kg.cm	14kg.cm
Dimensions I 尺寸:	35.5*15*31mm /1.38x0.58x1.20in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	43g(1.51oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR320mm	Motor I 电机类型:	Coreless motor	



CNC Metal Case
D Digital
Steel Gear
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ITEM:	UAV5245			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.17s/60°	0.14s/60°	0.11s/60°	0.10s/60°
Stall Torque I 堵转扭矩:	15.0kg.cm	18.0kg.cm	21.0kg.cm	24.0kg.cm
Dimensions I 尺寸:	32*16.5*31.3mm/1.24X0.64X1.22in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	40g(1.41oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR220mm	Motor I 电机类型:	Coreless motor	



WP IP67
CNC Metal Case
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ITEM:	UAV3510			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.16s/60°	0.13s/60°	0.10s/60°	0.09s/60°
Stall Torque I 堵转扭矩:	25.0kg.cm	30.0kg.cm	35.0kg.cm	40.0kg.cm
Dimensions I 尺寸:	35.5*15*41mm /1.38x0.58x1.59in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	65.5g(2.31oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	Brushless motor	



WP IP67
CNC Metal Case
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ITEM:	UAV5565			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.15s/60°	0.12s/60°	0.10s/60°	0.09s/60°
Stall Torque I 堵转扭矩:	28kg.cm	34kg.cm	45kg.cm	47kg.cm
Dimensions I 尺寸:	39.8*19.7*37.3mm/1.55X0.76X1.45in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	76g(2.68oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR330mm	Motor I 电机类型:	Coreless motor	



WP IP67
CNC Metal Case
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ITEM:	UAV835			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.17s/60°	0.14s/60°	0.11s/60°	0.10s/60°
Stall Torque I 堵转扭矩:	33kg.cm	38kg.cm	48kg.cm	53kg.cm
Dimensions I 尺寸:	40.5*20*37.2mm/1.57X0.78X1.45in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	78g(2.75oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR330mm	Motor I 电机类型:	Coreless motor	



WP IP67
CNC Metal Case
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ITEM:	UAV7990			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.18s/60°	0.15s/60°	0.12s/60°	0.11s/60°
Stall Torque I 堵转扭矩:	33kg.cm	42kg.cm	48kg.cm	53kg.cm
Dimensions I 尺寸:	43.8*22.4*39.4mm/1.70X0.87X1.53in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	88g(3.10oz)	Waterproof I 防水:	Yes	
Connector/plug I 线长:	JR310mm	Motor I 电机类型:	Brushless motor	

IPX8 rating Full Waterproof servos



WP IPX8 | CNC Metal Case | D Digital | Steel Gear | MV Multivoltage

ITEM:	UAV3511			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.17s/60°	0.14s/60°	0.11s/60°	0.10s/60°
Stall Torque I 堵转扭矩:	23kg.cm	28kg.cm	35kg.cm	39.5kg.cm
Dimensions I 尺寸:	40.6*21*37.6mm /1.58x0.8x1.4in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	83.7g(2.9oz)	Waterproof I 防水:	IPX8 grade	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	Brushless motor	



CNC Metal Case | D Digital | Steel Gear | MV Multivoltage

ITEM:	UAV01			
Operating voltage I 工作电压:	5.0V	6.0V	7.4V	8.4V
Operating Speed I 空载转速:	0.21s/60°	0.17s/60°	0.14s/60°	0.12s/60°
Stall Torque I 堵转扭矩:	29kg.cm	34kg.cm	40kg.cm	46kg.cm
Dimensions I 尺寸:	40*20*37.3mm/1.56x0.78x1.45in			
Operating voltage I 电压范围:	DC5.0V~8.4V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Standard 25T	
Weight I 重量:	77.7g(2.74oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	Coreless motor	



CNC Metal Case | D Digital | Steel Gear | MV Multivoltage

ITEM:	UAV02			
Operating voltage I 工作电压:	8.0V	12V	15V	16.8V
Operating Speed I 空载转速:	0.22s/60°	0.16s/60°	0.13s/60°	0.11s/60°
Stall Torque I 堵转扭矩:	128kg.cm	180kg.cm	200kg.cm	220kg.cm
Dimensions I 尺寸:	64*30*57mm/2.49x1.17x2.22in			
Operating voltage I 电压范围:	DC8.4V~16.8V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	15T	
Weight I 重量:	347g(12.24oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR280mm	Motor I 电机类型:	Brushless motor	





J30J-15ZKP 1500mm

PRODUCT FEATURE

- Anti- interference free
- High precision steel helical gears
- Supports multiple control signals: PWM, RS485/422, CAN
- High-precision magnetically encoded potentiometer
- High quality brushless motor
- Full aluminum cases
- 3 ball bearings
- Super long life

D Digital | Steel Gear | MV Multivoltage | CNC Metal Case



ITEM:	V300		
Operating voltage I 工作电压:	24V	30V	
Operating Speed I 空载转速:	0.33s/60°	0.26s/60°	
Stall Torque I 堵转扭矩:	240kg.cm	320kg.cm	
Dimensions I 尺寸:	68*35*118mm/2.65x1.36x4.6in		
Operating voltage I 电压范围:	DC24V~32V	Gear I 齿轮:	Steel gear
Dead band width I 死区:	2μs	Bearing I 轴承:	3BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	25T 12mm
Weight I 重量:	590g(20.81oz)	Waterproof I 防水:	No
Connector/plug I 线长:	1500mm	Motor I 电机类型:	Brushless motor





J30J-15ZKP 1500mm



PRODUCT FEATURE

- Anti- interference free
- High precision steel helical gears
- Supports multiple control signals: PWM, RS485/422, CAN
- High-precision magnetically encoded potentiometer
- High quality brushless motor
- Full aluminum cases
- 6 ball bearings
- Super long life

Digital | Steel Gear | MV Multivoltage | CNC Metal Case

ITEM:	V700		
Operating voltage I 工作电压:	24V		30V
Operating Speed I 空载转速:	0.40s/60°		0.31s/60°
Stall Torque I 堵转扭矩:	520kg.cm		670kg.cm
Dimensions I 尺寸:	98.7*48*123.5mm/3.84x1.87x4.81in		
Operating voltage I 电压范围:	DC24V~32V	Gear I 齿轮:	Steel gear
Dead band width I 死区:	2μs	Bearing I 轴承:	6BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	25T 12mm
Weight I 重量:	1288g(45.43oz)	Waterproof I 防水:	No
Connector/plug I 线长:	1500mm	Motor I 电机类型:	Brushless motor

ROBOT SERVOS



CNC Metal Case | Digital | Metal Gear

ITEM:	RBC03		
Operating voltage I 工作电压:	5.0V		6.0V
Operating Speed I 空载转速:	0.14s/60°		0.12s/60°
Stall Torque I 堵转扭矩:	4.5kg.cm		5.5kg.cm
Working angle I 工作角度:	180°(0.5~2.5ms)	Dimensions I 尺寸:	23*12*27.5mm
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Full metal
Dead band width I 死区:	1μs	Bearing I 轴承:	2BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive
Weight I 重量:	20.3g(0.47oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR180mm	Motor I 电机类型:	Coreless motor



CNC Metal Case | Digital | Metal Gear

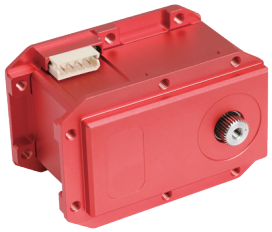
ITEM:	RBC04		
Operating voltage I 工作电压:	5.0V		6.0V
Operating Speed I 空载转速:	0.12s/60°		0.08s/60°
Stall Torque I 堵转扭矩:	5.5kg.cm		8.5kg.cm
Working angle I 工作角度:	180°(0.5~2.5ms)	Dimensions I 尺寸:	23*12*27.5mm
Operating voltage I 电压范围:	DC5.0V~6.0V	Gear I 齿轮:	Full metal
Dead band width I 死区:	1μs	Bearing I 轴承:	2BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	Exclusive
Weight I 重量:	20.3g(0.47oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR180mm	Motor I 电机类型:	Coreless motor



SINGLE LINE HALF DUPLEX SERIAL PROTOCOL SERVO

HV High Voltage | D Digital | Metal Gear

ITEM:	RB1224		
Operating voltage I 工作电压:	6.0V		7.4V
Operating Speed I 空载转速:	0.29s/60°		0.24s/60°
Stall Torque I 堵转扭矩:	11kg.cm		12kg.cm
Working angle I 工作角度:	300°(0~4ms)	Dimensions I 尺寸:	44.2*29.3*28.6mm
Operating voltage I 电压范围:	DC6.0V~7.4V	Gear I 齿轮:	Full metal
Dead band width I 死区:	4μs	Bearing I 轴承:	2BB
Neutral Position I 中点:	2048	Spline I 花键:	Standard 25T
Weight I 重量:	50g(1.76oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR280mm	Motor I 电机类型:	DC motor



RS485/TTL SERIAL COMUNICATION PROTOCOL SERVO

CNC Metal Case | HV High Voltage | D Digital | Metal Gear

ITEM:	RB5529		
Operating voltage I 工作电压:	10V~14.8V		
Operating Speed I 空载转速:	0.29s/60°@12V		
Stall Torque I 堵转扭矩:	55kg.cm@12V		
Working angle I 工作角度:	310°	Dimensions I 尺寸:	55.6*40*40.9mm
Pulse Width Range I 脉宽:	96~4000	Gear I 齿轮:	Full metal
Dead band width I 死区:	N/A	Bearing I 轴承:	2BB
Neutral Position I 中点:	2048	Spline I 花键:	Standard 25T
Weight I 重量:	165g(5.82oz)	Baud Rate I 波特率:	115200 bps
Connector/plug I 线长:	4Pin-2.54mm	Motor I 电机类型:	Coreless motor

BIG-SIZED SERVOS



CNC Metal Case | WP IP67 | HV High Voltage | D Digital | Metal Gear

ITEM:	DCS16942CHV		
Operating voltage I 工作电压:	6.0V		7.4V
Operating Speed I 空载转速:	0.18s/60°		0.14s/60°
Stall Torque I 堵转扭矩:	40.2kg.cm		50.3kg.cm
Dimensions I 尺寸:	60*30.2*60.5mm/2.34x1.18x2.36in		
Operating voltage I 电压范围:	DC6.0V~7.4V	Gear I 齿轮:	Full metal
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	15T
Weight I 重量:	186g(6.56oz)	Waterproof I 防水:	Yes
Connector/plug I 线长:	JR300mm	Motor I 电机类型:	DC motor



CNC Metal Case | WP IP67 | HV High Voltage | D Digital | Metal Gear

ITEM:	DCS6513HV		
Operating voltage I 工作电压:	6.0V		7.4V
Operating Speed I 空载转速:	0.15s/60°		0.13s/60°
Stall Torque I 堵转扭矩:	51kg.cm		65kg.cm
Dimensions I 尺寸:	66*30*57.5mm/2.58x1.17x2.24in		
Operating voltage I 电压范围:	DC6.0V~7.4V	Gear I 齿轮:	Full metal
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	15T
Weight I 重量:	200g(7.05oz)	Waterproof I 防水:	Yes
Connector/plug I 线长:	JR265mm	Motor I 电机类型:	DC motor



HV High Voltage | D Digital | CNC Metal Case | Steel Gear

ITEM:	BLS13217		
Operating voltage I 工作电压:	7.4V	8.4V	12V
Operating Speed I 空载转速:	0.47s/60°	0.42s/60°	0.30s/60°
Stall Torque I 堵转扭矩:	76kg.cm	84kg.cm	110kg.cm
Dimensions I 尺寸:	64*30*57.6mm/2.49x1.17x2.24in		
Operating voltage I 电压范围:	DC7.4V~12V	Gear I 齿轮:	Steel gear
Dead band width I 死区:	4μs	Bearing I 轴承:	2BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	15T
Weight I 重量:	272.5g(9.61oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR320mm	Motor I 电机类型:	Brushless motor



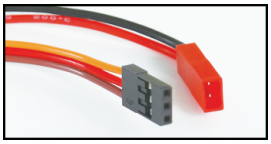
D Digital | Steel Gear | CNC Metal Case | MV Multivoltage

ITEM:	S90			
Operating voltage I 工作电压:	8.4V	12V	15V	16.8V
Operating Speed I 空载转速:	0.30s/60°	0.21s/60°	0.16s/60°	0.15s/60°
Stall Torque I 堵转扭矩:	56kg.cm	80kg.cm	100kg.cm	112kg.cm
Dimensions I 尺寸:	63*30*33mm/2.45x1.17x1.28in			
Operating voltage I 电压范围:	DC8.4V~16.8V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	15T	
Weight I 重量:	154g(5.43oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR280mm	Motor I 电机类型:	Brushless motor	









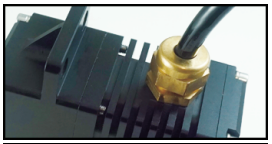
PRODUCT FEATURE

- High quality potentiometer
- Durable steel gears
- High quality brushless motor
- Full CNC aluminium case
- Super long life
- Dual ball bearings

Steel Gear | D Digital | CNC Metal Case | MV Multivoltage

Item NO. 型号:	Operating Speed I 空载转速				Stall Torque I 堵转扭矩				Spline 花键	Dimensions (mm)尺寸	Weight 重量	Dead band width死区	Bearing 轴承	Connector plug线长
	8.4V	12V	15V	16.8V	8.4V	12V	15V	16.8V						
BRUSHLESS I 无刷电机														
S120	0.15s/60°	0.10s/60°	0.08s/60°	0.07s/60°	90kg.cm	130kg.cm	158kg.cm	175kg.cm	15T	63*30*50.7	259g	0.002ms	2BB	JR280mm
S140	0.16s/60°	0.11s/60°	0.09s/60°	0.08s/60°	104kg.cm	142kg.cm	160kg.cm	192kg.cm	15T	63*30*57	288g	0.002ms	2BB	JR280mm
S150	0.22s/60°	0.16s/60°	0.13s/60°	0.11s/60°	128kg.cm	180kg.cm	200kg.cm	220kg.cm	15T	63*30*57	288g	0.002ms	2BB	JR280mm







CAN Protocol & PWM Signal Compatible

WP IPX8 | CNC Metal Case | D Digital | Steel Gear | MV Multivoltage

ITEM:	BLS20024		
Operating voltage I 工作电压:	7.4V	8.4V	12V
Operating Speed I 空载转速:	0.39s/60°	0.35s/60°	0.24s/60°
Stall Torque I 堵转扭矩:	140kg.cm	160kg.cm	200kg.cm
Dimensions I 尺寸:	64*33*69mm/2.49x1.28x2.69in		
Operating voltage I 电压范围:	DC7.4V~14.8V	Gear I 齿轮:	Steel gear
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	15T
Weight I 重量:	383g(13.51oz)	Waterproof I 防水:	IPX8 grade
Connector/plug I 线长:	Teflon 550mm	Motor I 电机类型:	Brushless motor

Supports multiple control signals: PWM, RS485/422, CAN

ITEM:	S180			
Operating voltage I 工作电压:	8.4V	12V	15V	16.8V
Operating Speed I 空载转速:	0.22s/60°	0.17s/60°	0.13s/60°	0.11s/60°
Stall Torque I 堵转扭矩:	128kg.cm	180kg.cm	200kg.cm	205kg.cm
Dimensions I 尺寸:	64*31.5*73.3mm/2.49x1.22x2.85in			
Operating voltage I 电压范围:	DC8.4V~16.8V	Gear I 齿轮:	Steel gear	
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB	
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	15T	
Weight I 重量:	370g(13.05oz)	Waterproof I 防水:	No	
Connector/plug I 线长:	JR265mm	Motor I 电机类型:	Brushless motor	

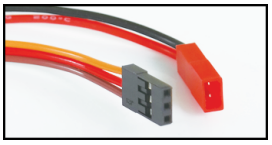
ITEM:	S180-28		
Operating voltage I 工作电压:	28V		
Operating Speed I 空载转速:	0.16s/60°		
Stall Torque I 堵转扭矩:	200kg.cm		
Dimensions I 尺寸:	64*31.5*73.3mm/2.49x1.22x2.85in		
Operating voltage I 电压范围:	DC24V~32V	Gear I 齿轮:	Steel gear
Dead band width I 死区:	2μs	Bearing I 轴承:	2BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	15T
Weight I 重量:	370g(13.05oz)	Waterproof I 防水:	No
Connector/plug I 线长:	JR265mm	Motor I 电机类型:	Brushless motor

Digital | Steel Gear | Metal Case | Multivoltage

PRODUCT FEATURE

- High quality potentiometer
- Durable steel gears
- High quality brushless motor
- Full CNC aluminium case
- Super long life
- Dual ball bearings

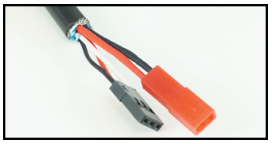












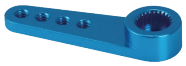
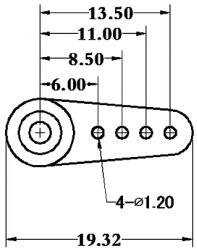
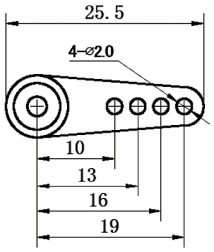
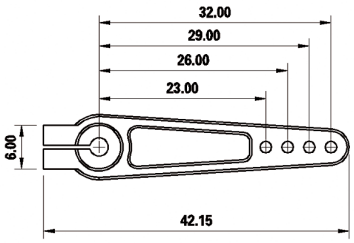
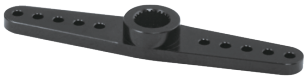
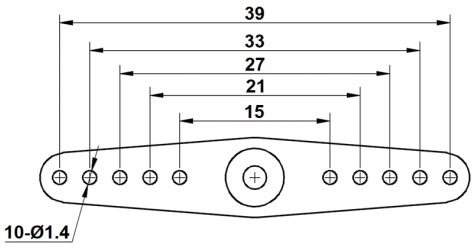
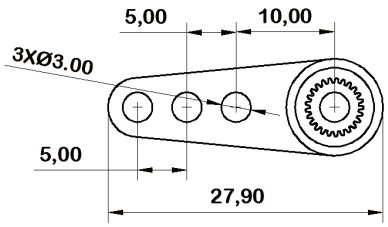
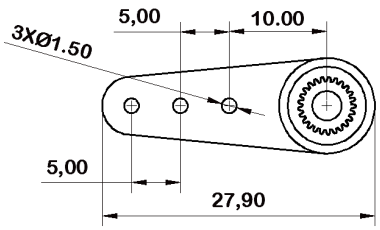


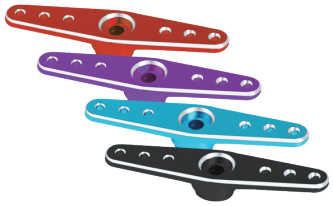
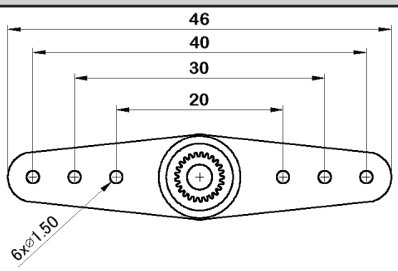
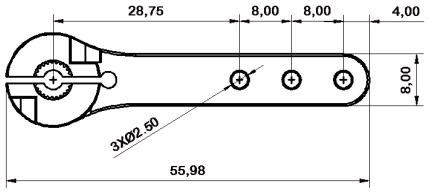
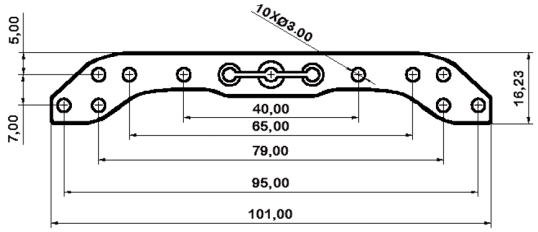
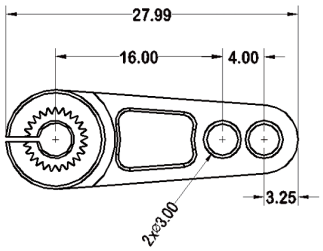
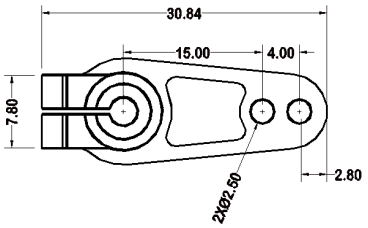
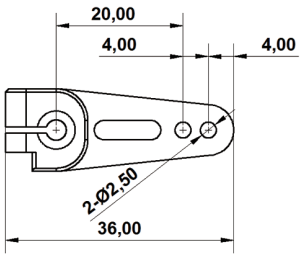
Steel Gear | Digital | Metal Case | Multivoltage

PRODUCT FEATURE

- High quality potentiometer
- Durable steel gears
- High quality brushless motor
- Full CNC aluminium case
- Super long life
- 10 ball bearings

ITEM:	S700		
Operating voltage I 工作电压:	24V	28V	
Operating Speed I 空载转速:	0.22s/60°	0.13s/60°	
Max working torque I 最大扭矩:	630kg.cm	700kg.cm	
Dimensions I 尺寸:	104*48*97mm /4.05x1.87x3.78in		
Operating voltage I 电压范围:	DC12V~32V	Gear I 齿轮:	Steel gear
Dead band width I 死区:	2μs	Bearing I 轴承:	10BB
Working frequency I 工作频率:	1520us/330Hz	Spline I 花键:	20T
Weight I 重量:	1450g (51.14oz)	Waterproof I 防水:	No
Connector/plug I 线长:	Teflon 1150mm	Motor I 电机类型:	Brushless motor

PART NO.	IMAGE	SPLINE	APPLICATION	SIZE
KSA001M		mini 21T	Car	
KSA002M		mini 25T	Car	
KSA003M		mini 25T	Car Airplane	
KSA004M		mini 25T	Airplane Helicopter	
KSA003		standard 25T	Car	
KSA003A		standard 25T	Car	

PART NO.	IMAGE	SPLINE	APPLICATION	SIZE
KSA003-2		standard 25T	Airplane Helicopter	
KSA005		standard 25T	Airplane	
KSA006		standard 25T	Airplane	
KSA007		standard 25T	Car	
KSA009		standard 25T	Car	
KSA013		standard 25T	Car	

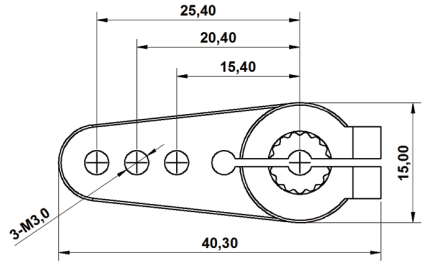
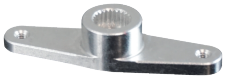
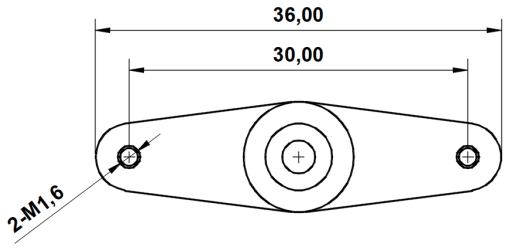
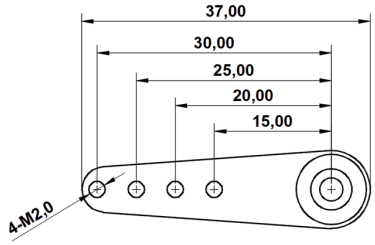
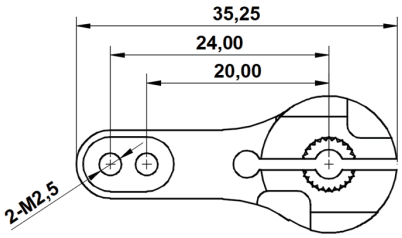
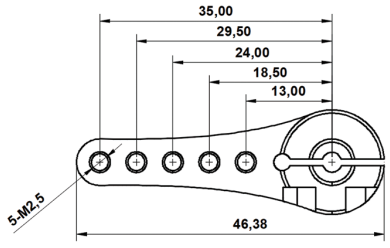
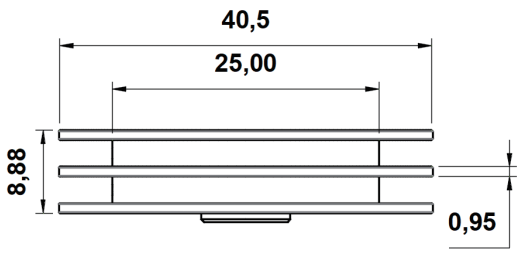
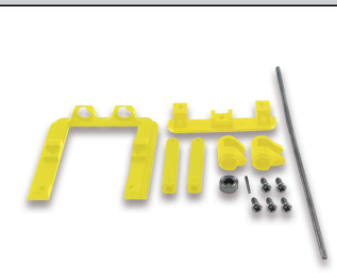
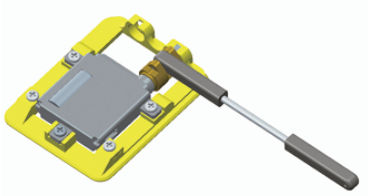
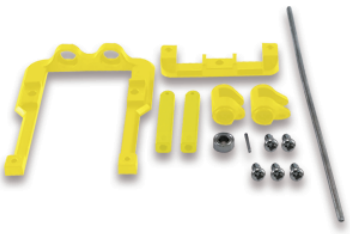
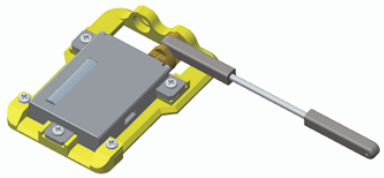
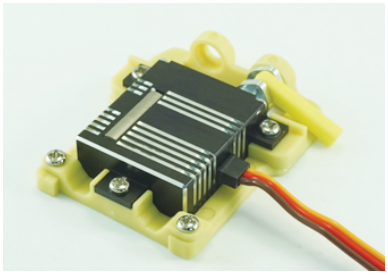
PART NO.	IMAGE	SPLINE	APPLICATION	SIZE
KSA014		15T	Car	
KSA015		standard 25T	Airplane Helicopter	
KSA016		standard 25T	Car	
KSA017		standard 25T	Car	
KSA018		standard 25T	Car	
SW30		standard 25T	Sail winch servos	

Photo	Item No.	Effect picture	Applicable servo model
	C410-005		C410H C308H
	CLS0512W -005		CLS0512W CLS0912W CLS0408W
	CLS1510W -005		CLS1510WH CLS2713WH CLS0911W CLS2013W CLS0612W KM2607MD

ELECTRONIC EQUIPMENT

UBEC	SPECIFICATION	KM8001	KM8001-2	KM8001-3
	Input Voltage:	5.0V~16.0V	7.4V~26.0V	7.4V~26.0V
	Output Voltage:	5.0V or 6.0V selectable	5.0V or 6.0V selectable	7.4V or 8.4V selectable
	Continuous output current:	5.0A	6.0A	6.0A
	Burst output current:	8.0A	10.0A	10.0A
	Size(mm):	39*27*15.5	39*27*15.5	39*27*15.5
	Weight:	25g	25g	25g

UBEC	SPECIFICATION	E5	E6	E7	E8
	Input Voltage:	7.0V~40V	9.0V~40V	16V~40V	9.0V~40V
	Output Voltage:	5.0V or 6.0V selectable	7.4V or 8.4V selectable	12V or 15V selectable	5.0V~8.4V selectable
	Continuous output current:	6.0A	6.0A	6.0A	6.0A
	Burst output current:	10.0A	10.0A	10.0A	10.0A
	Size(mm):	47.6*36*15.5	47.6*36*15.5	47.6*36*15.5	47.6*36*15.5
	Weight:	26g	26g	26g	28.5g

UBEC	SPECIFICATION	E9
	Input Voltage:	7.0V~25.5V
	Output Voltage:	5.0V~7.4V selectable
	Continuous output current:	8.0A
	Burst output current:	12A
	Size(mm):	45*22*7.5
	Weight:	16g

ITEM: KM8008/SERVO TESTER

FUNCTION:

1. To measure the directions/range of rotation of servo
2. To test the rotations of servo automatically or manually
3. Centering test

SPECIFICATION:

– Output : 5V(default) or adjustable(6.0V, 7.4V etc.)
– Input: 5V-24V
– Quiescent current: 15mA
– Size: 50.5mm*40mm*24mm (L*W*H)
– Weight: 35g



ITEM: TGZ580
3-Axis Gyro' FBL Altitude Control Smart Fly System For 250~800 R/C Helicopter

SPECIFICATIONS:
Size: 35*25*13.5mm
Weight without cable: 11g
Operating voltage: 4.0V-8.5 V DC (Lipo 2s possible)
Temperature range: -15℃ to +40℃
Processor: 32Bit ARM
Analog processing: 17Bit
Sensor technology: 3 MEMS angular rate sensors

Adjustable servo center pulse width:
Tail: 760US / 960US / 1520US

Adjustable servo pulse rate:
Tail: 50 Hz / 165 Hz / 270 Hz / 330 Hz / 560 Hz
Swashplate: 50 Hz / 65 Hz / 120 Hz / 200 Hz

Build-in swashplate mixer:
Mechanical / 90°/120°/140°/140°（1：1）

Serial pulse input:
PPM / S-BUS / SRXL / Spektrum-satellite



ITEM: G4
Micro Aeroplance Flight Controller

FEATURE:
-- Designed for 3 model types:Normal Airplane .Flying Wing and V-Tall ,can be easily switched by the on -board jumper
--Specifically optimized to work for 3D flight without undermining stability
--Independent gyro gain adjustment for Aileron ,Elevator and Rudder
--Basic setting functions including stick centering and gyro reversing
--Smaller and lighter ,more adaptable for small airplane.
SPECIFICATIONS:
Voltage Range : 4~6V DC
PWM Output :50Hz ,1020-2020us
Full-Scale Range of Gyro+/- 1000dps
Sample Rate of Gyro :1KHz
Operating Temperature:-40℃ to 85℃
Dimensions:40x33 x15mm
Weight :9g



ITEM: TS-2 V2.0 RC MULTIPLE TESTER

PRODUCT FEATURE:
1、Servo rotation direction and range test;
2、Servo sensitivity test;
3、Selection of servo automatic rotation and manual rotation;
4、Transmitter channel pulse width can be measured;
5、Servo working life can be recorded;
6、Servo positioning accuracy test;
7、Servo speed test;
8、Servo angle and centering test;
Size: 139.5mm x 79.5mm x 32.5mm
Product weight: 160g



ITEM:KM-9001,KINGMAX Electric fuel pump for R/C models/UAV

SPECIFICATIONS:
1.Operating voltage: 6.0V-8.4 V DC (Lipo 2s possible)
2.Flow Rate: 1200CC/min
3. Lift: 0.8M
3. Size: Ø36mm X L104mm
4. weight: 155g



Contents:
Pump*1
Pipeline*1(1meter)
Nipple(with filter)*1
Fuel pick up clunk(with filter)*1

Features:
1. All-metal movement, long service life;
2. Fully enclosed motor design, high safety;
3. Fully shielded metal case, no interference;
4. Positive and negative rotation design, it can pump and can be pumped;
5. Sealed with Polyurethane, Nitro and gasoline can be used;

RELATED PRODUCTS

KINGMAX shirt



KINGMAX radio neck strap



KINGMAX cap



KINGMAX decal












KING MAX HOBBY®

Professional servos and related electronic equipments manufacturer

RC伺服器专业制造商

2026 产品手册2026 PRODUCTS CATALOG

KINGMAX HOBBY COMPANY LIMITED

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