

步进电机

直线型步进电机
空心轴步进电机
闭环步进电机
防水型步进电机
减速步进电机
步进电机驱动器

STEPPER MOTOR

Linear Stepper Motor
Hollow shaft Stepper Motor
Closed loop Stepper Motor
Waterproof Stepper Motor
Geared Stepper Motor
Stepper Motor Driver



杭州广铁轨道交通设备有限公司
Hangzhou GT Rail Traffic Equipment Co., Ltd



APPLICATIONS - 产品应用



AGV



家电
Home Appliance



闸机、自动门
Barrier / Auto Door



激光雷达
LIDAR



机器人
Robotics



物流
Logistics



新能源
Green Energy



医疗行业
Medical



纺织
Textile



办公自动化
Office Automation



金融设备
Financial Equipment



农业
Agriculture

步进电机基础简介 Stepper Motor Basic Introduction

应用领域

精控的步进电机广泛应用于各种不同类型的设备中，用来提供其所需要的运动控制。其中包括：

- 办公自动化： 打印机、扫描仪、复印机、多功能一体机等
- 舞台灯光： 光射方向控制、调焦、色变和光斑调控、灯光特效等
- 银行领域： ATM机、票据打印、银行卡制作、点钞机等
- 医疗领域： CT扫描仪、血液分析仪、生化分析仪等
- 工业： 纺织机械、包装机械、机器人、输送、组装流水线、贴标机等
- 通信： 信号调节、移动天线定位等
- 安防： 监控摄像头的运动控制
- 汽车： 油阀/气阀控制、车灯转向系统等

什么是步进电机

步进电机是一种直接将电脉冲转化为机械运动的机电装置，通过控制施加在电机线圈上的电脉冲顺序、频率和数量，可以实现对步进电机的转向、速度和旋转角度的控制。在不借助带位置感应的闭环反馈控制系统的情况下，使用步进电机及配套的驱动器共同组成的控制简便、低成本的开环控制系统，就可以实现精确的位置和速度控制。

精控步进电机的特性

• 精准的位置控制

依照输入脉冲的数量，确定出轴转到的角度。位置误差非常小（小于1/10度），而且误差不累计。

• 精确的转速

步进电机的转速取决于输入脉冲的频率，因为速度精确，而且方便调节，因此步进电机被广泛应用于各种运动控制领域。

• 正向/反向转动、急停及锁定功能

在整个速度范围内，都可以实现对电机电矩和位置的有效控制，包括静力矩。在电机锁定状态下（电机绕组中存在电流，但外部没有旋转的脉冲指令输入），仍然保持一定的力矩输出。

• 低转速条件下的精准位置控制

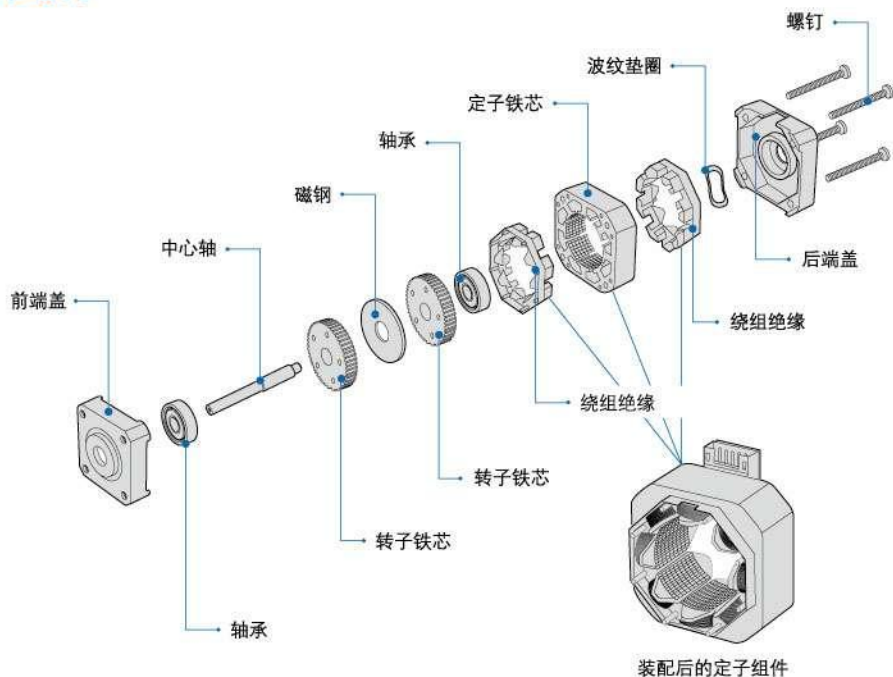
步进电机不需要借助齿轮箱的调节，就可以在非常低的转速下平稳运行，同时输出较大的力矩，避免了功率的损耗和角度位置偏差，同时降低了成本，节省了空间。

• 更长的使用寿命

步进电机的无电刷设计保证了电机的使用寿命很长。步进电机的寿命通常取决于轴承。

基本结构和工作原理 Basic Structure and working Principle

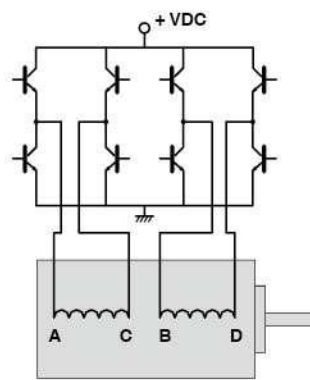
基本结构



工作原理

步进电机驱动器根据外来的控制脉冲和方向信号，通过其内部的逻辑电路，控制步进电机的绕组以一定的时序正向或反向通电，使得电机正向/反向旋转，或者锁定。

以1.8度两相步进电机为例：当两相绕组都通电励磁时，电机输出轴将静止并锁定位置。在额定电流下使电机保持锁定的最大力矩为保持力矩。如果其中一相绕组的电流发生了变向，则电机将顺着一个既定方向旋转一步（1.8度）。同理，如果是另外一项绕组的电流发生了变向，则电机将顺着与前者相反的方向旋转一步（1.8度）。当通过线圈绕组的电流按顺序依次变向励磁时，则电机将顺着既定的方向实现连续旋转步进，运行精度非常高。对于1.8度两相步进电机旋转一周需200步。



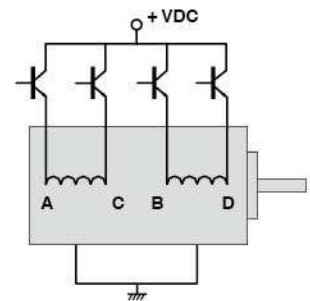
2相(双极性)步进电机

两相步进电机有两种绕组形式：双极性和单极性。

双极性电机每相上只有一个绕组线圈，电机连续旋转时电流要在同一线圈内依次变向励磁，驱动电路设计上需要八个电子开关进行顺序切换。

单极性电机每相上有两个极性相反的绕组线圈，电机连续旋转时只要交替对同一相上的两个绕组线圈进行通电励磁。驱动电路设计上只需要四个电子开关。

在双极性驱动模式下，因为每相的绕组线圈为100%励磁，所以双极性驱动模式下电机的输出力矩比单极性驱动模式下提高了约40%。



2相(单极性)步进电机

定制化电机 Customized motor

根据应用需要，提供各种定制化电机方案，常见的定制包括：

According to the application needs, provide a variety of customized motor solutions, common customization includes:

定子 Motor Stator

- 密封电机，适用于多尘环境、温度变化小的肮脏环境等
Sealed motor, suitable for dusty environment, dirty environment with small temperature change, etc
- 特殊出轴，如尺寸、形状等 Special shaft, such as size, shape, etc
- 带轮、齿轮和联轴器等 Belt wheels, gears and couplings etc
- 编码器和反馈部件 Encoders and other feedback components
- 引出线长度和客户使用端接插件
Encoders and other feedback components. Lead length and customer use termination plug-in

带轮和齿轮 Pulley and gears



金属带轮 Aluminum pulley



塑料带轮 Plastic pulley



齿轮 gear

出轴 Shaft



轴销 Shaft pin



螺纹轴 screw shaft



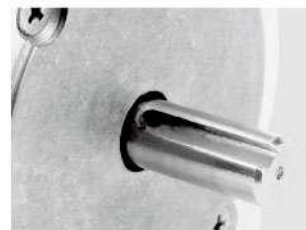
通孔 hollow shaft



单扁丝 Single D shaft



双扁丝 double D shaft



键槽 keyway



滚花 Knurling



滚齿 hobbing shaft

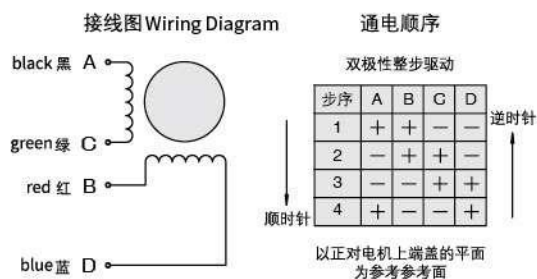


滚齿 hobbing shaft

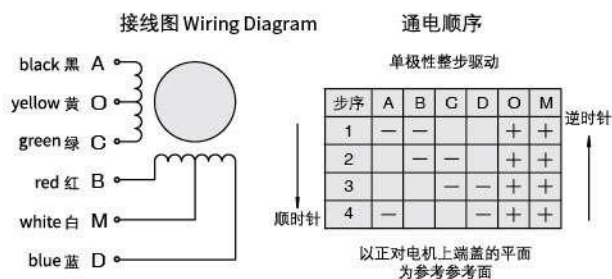
接线方式和通电顺序 Wiring mode and power-on sequence

2相电机 2 Phase Stepper motor

4 引线(双极性)
4 leading wires (Bipolar)

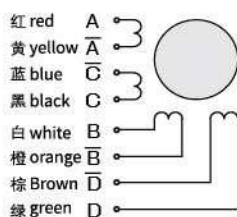


6 引线(单极性)
6 leading wires (Unipolar)

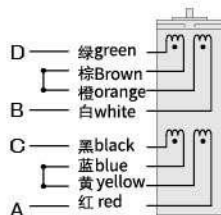


8 引线
8 leading wires

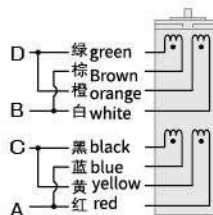
接线图 Wiring Diagram



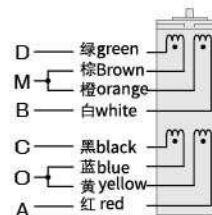
模式 1: 双极性串联
Mode 1: Bipolar series



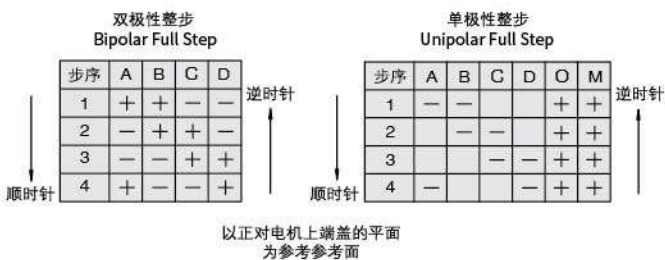
模式 2: 双极性并联
Mode 2: bipolar parallel



模式 3: 单极性
Mode 3: Unipolar

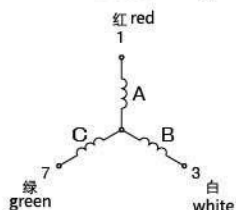


通电顺序



3 相电机 3 Phase Stepper motor

接线图 Wiring Diagram



通电顺序



Directory-目录

A 混合式步进电机 Hybrid Stepper motor

A-1 0.9°两相步进电机 0.9° 2 phase stepper motor

JK35HM(NEMA14)	001
JK36HM(NEMA14)	003
JK42HM(NEMA17)	005
JK57HM(NEMA23)	007

A-2 1.2°三相步进电机 1.2° 3 phase stepper motor

JK57H3P(NEMA23)	009
JK86H3P(NEMA34)	010
JK110H3P(NEMA42)	011
JK130H3P(NEMA52)	012

A-3 1.8°两相步进电机 1.8° 2 phase stepper motor

JK20HS (NEMA8)	013
JK28HS (NEMA11)	015
JK35HS (NEMA14)	017
JK39HS (NEMA16)	019
JK42HS (NEMA17)	021
JK57HS (NEMA23)	023
JK60HS (NEMA24)	025
JK86HS(NEMA34)	027
JK110HS (NEMA42)	029
JK130HS (NEMA52)	031

B 直线型步进电机 Linear Stepper motor

B-1 T型丝杠外部驱动式直线步进电机 External Linear stepper motor (T-type)

JK20HST	032
JK28HST	033
JK35HST	034
JK42HST	035
JK57HST	036

B-2 滚珠丝杠外部驱动式直线步进电机 External Linear stepper motor (Ball Screw)

JK28HSB	037
JK42HSB	038
JK57HSB	039

B-3 贯穿式直线步进电机 Non-Captive Linear Stepper Motor

JK20HSC	040
JK28HSC	041
JK35HSC	042
JK42HSC	043
JK57HSC	044

B-4 推杆式直线步进电机 Captive Linear Stepper Motor

JK20HSK	045
JK28HSK	046
JK42HSK	047
JK57HSK	048

C 空心轴电机 Hollow shaft Stepper motor

JK20HSH	049
JK28HSH	050
JK35HSH	051
JK42HSH	052
JK57HSH	053
JK86HSH	054

D 闭环步进电机 Closed loop Stepper motor

JK28HSN	055
JK42HSN	056
JK57HSN	057
JK60HSN	058
JK86HSN	059

注意事项:本样册中的所有信息均为参考值。因为检测和测量方法不同,可能存在偏差。请直接联系我们,以了解详细信息。
我们原则上保留技术变更的权利

E 防水型步进电机 Waterproof Stepper motor

JK42HSW	060
JK57HSW	061
JK86HSW	062

F 减速步进电机 Stepper motor with gearbox

F-1 正齿轮步进电机 Stepper motor with Spur gearbox

JK42HS	063
JK57HS	064
JK86HS	065

F-2 普通行星减速箱步进电机 Stepper motor with Common planetary gearbox

JK28HS	066
JK42HS	067
JK57HS	068
JK60HS	069

F-3 精密行星减速箱步进电机 Stepper motor with planetary gearbox

JK28HS	070
JK42HS	071
JK57HS	072
JK60HS	073
JK86HS	074

G 步进电机驱动器 Stepper motor driver

G-1 两相步进电机驱动器 2 Phase stepper motor driver

DM420	075
DM542	076
DM860	077
2M2283	078

G-2 三相步进电机驱动器 3Phase stepper motor driver

JK3M683	079
JK3M860	080
JK3M2207	081

G-3 闭环步进电机驱动器 Closed loop stepper motor driver

JKHSD57	082
JKHSD86	083



Attentions: All figures are approximate values. Variations are possible and may arise for example due to non-standardized inspection and measurement methods. For more detailed information, please contact us directly. Fulling Motor company always reserves the right to make technical modifications

0.9°35mm两相混合式步进电机

0.9°35mm(NEMA14) 2phase hybrid stepper motor

混合式步进电机

Hybrid Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	0.9°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min., 500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选件 Options



● 电机规格 (Electrical Specifications)

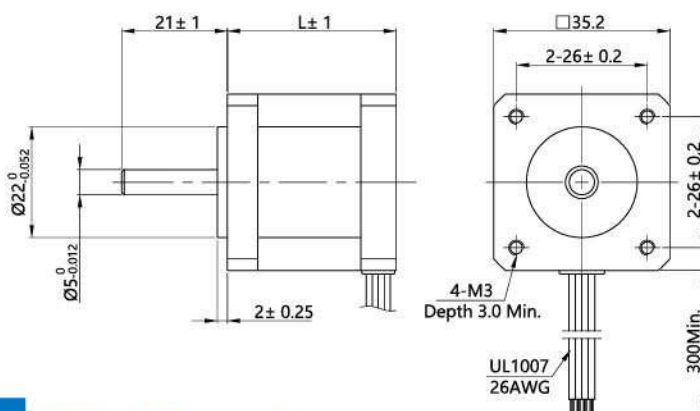
型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	g.cm	No.	g.cm	g.cm ²	Kg
JK35HM27-0504	0.9	27	0.5	10	14	1000	4	80	6	0.13
JK35HM34-1004	0.9	34	1	2	3	1200	4	110	9	0.17
JK35HM40-1004	0.9	40	1	2	4	1500	4	140	12	0.22

以上仅为代表产品, 特殊要求产品可根据客户要求订制。

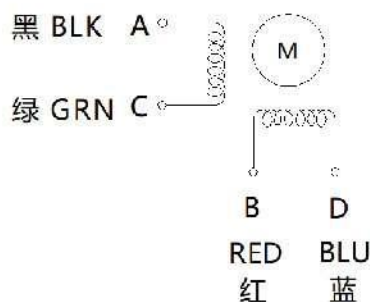
Above only for representative products, products of special request can be made according to the customer request.

● 电机外型图 (Dimensions)

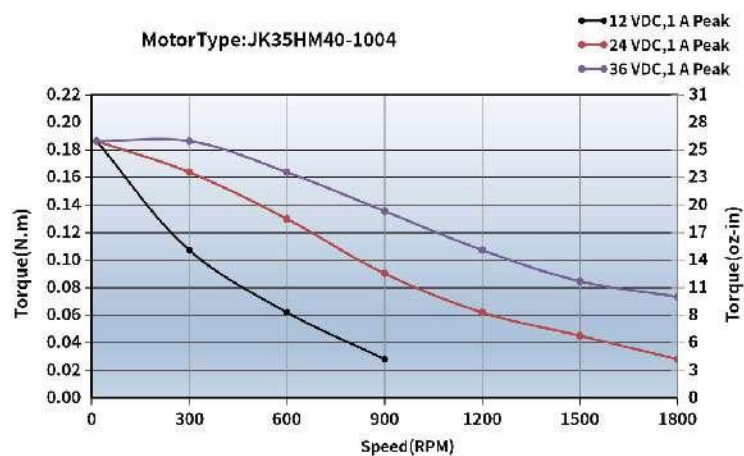
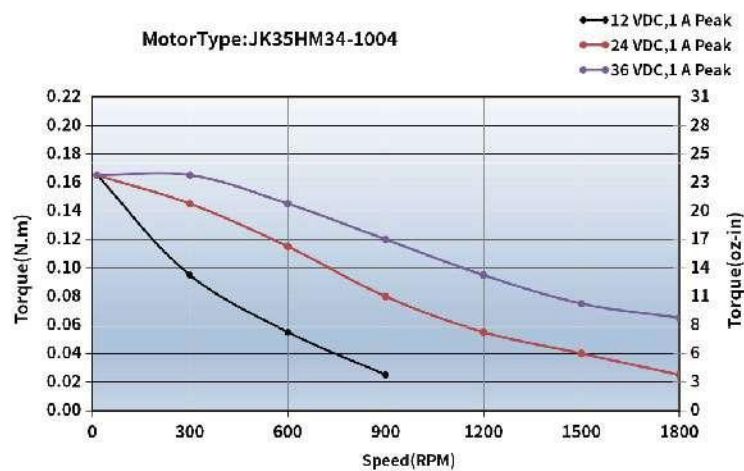
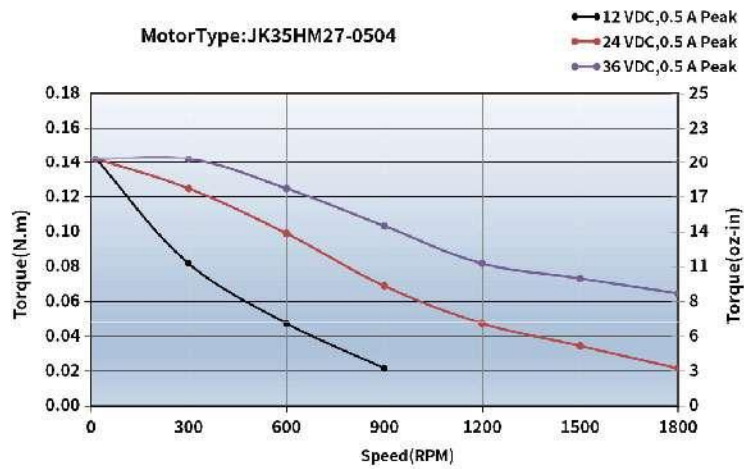
(单位 / Unit=mm)



● 接线图 (Wiring Diagram)



● 标准运行力矩图 (Standard operating torque diagram)



0.9°36mm两相混合式步进电机

0.9°36mm 2phase hybrid stepper motor

混合式步进电机

Hybrid Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	0.9°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



● 电机规格 (Electrical Specifications)

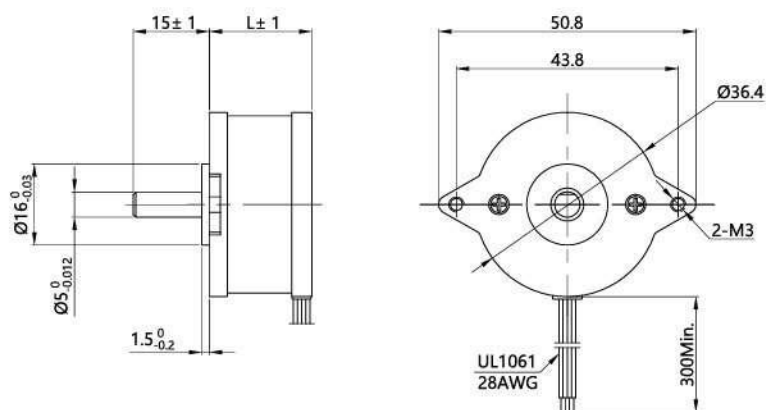
型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转动惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	g.cm	No.	g.cm	g.cm ²	Kg
JK36HM12-0304	0.9	12	0.3	16.8	8.5	420	4	80	4	0.06
JK36HM18-0404	0.9	18	0.4	12	5	560	4	100	6	0.1
JK36HM21-0404	0.9	21	0.4	9	5	810	4	125	7	0.13

以上仅为代表产品, 特殊要求产品可根据客户要求订制。

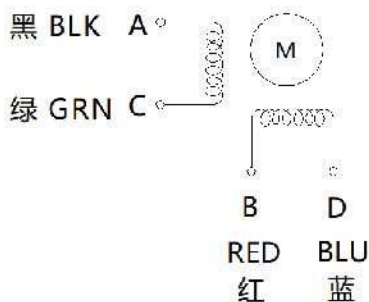
Above only for representative products, products of special request can be made according to the customer request.

● 电机外型图 (Dimensions)

(单位 / Unit=mm)

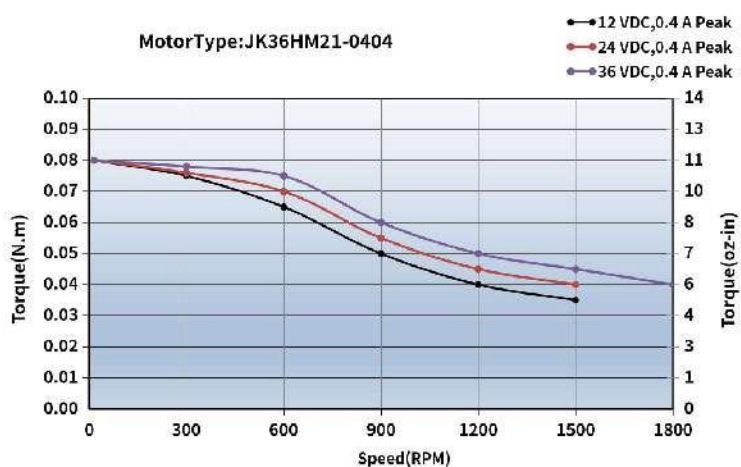
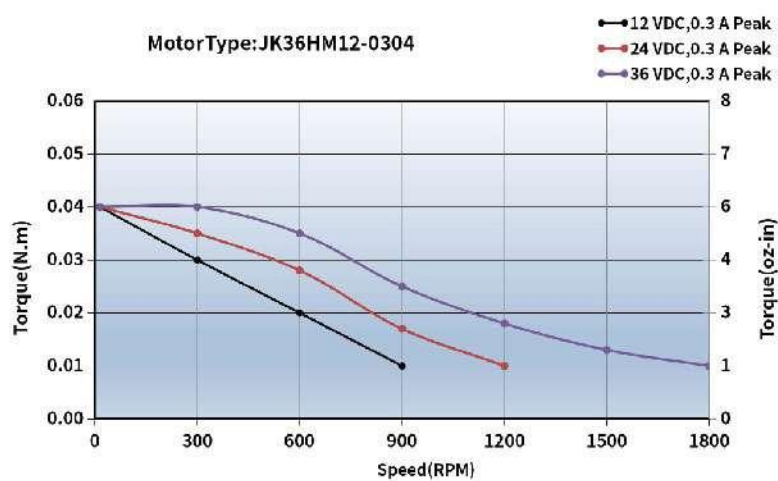


● 接线图 (Wiring Diagram)



● 标准运行力矩图 (Standard operating torque diagram)

标准运行力矩图 / Standard operating torque diagram



0.9°42mm两相混合式步进电机
0.9°42mm(NEMA17) 2phase hybrid stepper motor

混合式步进电机
Hybrid Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	0.9°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选件 Options



接插件



齿轮箱



编码器



刹车



一体机

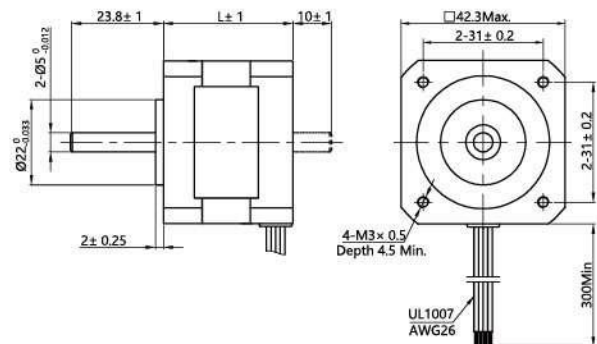
● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	kg.cm	No.	g.cm	g.cm²	Kg
JK42HM34-1334	0.9	34	1.33	2.1	4.2	2.2	4	200	35	0.22
JK42HM40-1684	0.9	40	1.68	1.65	3.2	3.3	4	220	54	0.28
JK42HM48-1684	0.9	48	1.638	1.65	4.1	4.4	4	250	68	0.38
JK42HM60-1684	0.9	60	1.68	1.65	5	5.5	4	270	106	0.55

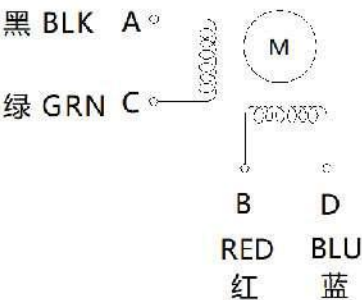
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● 电机外型图 (Dimensions)

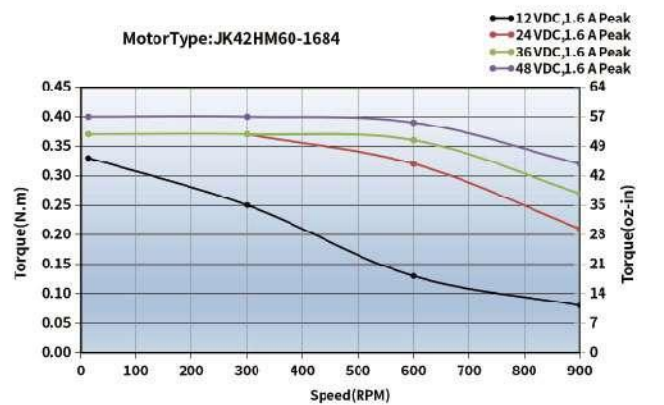
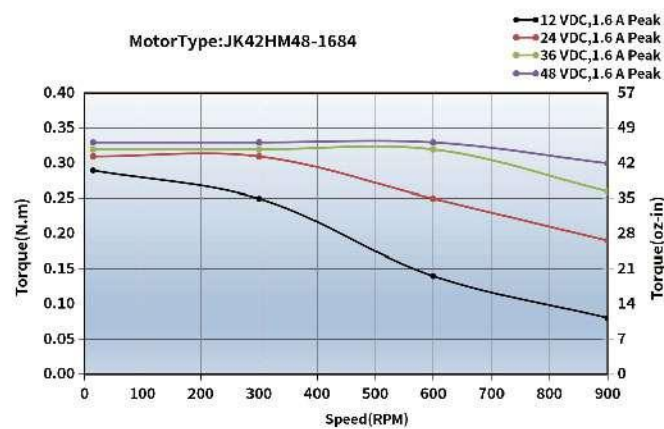
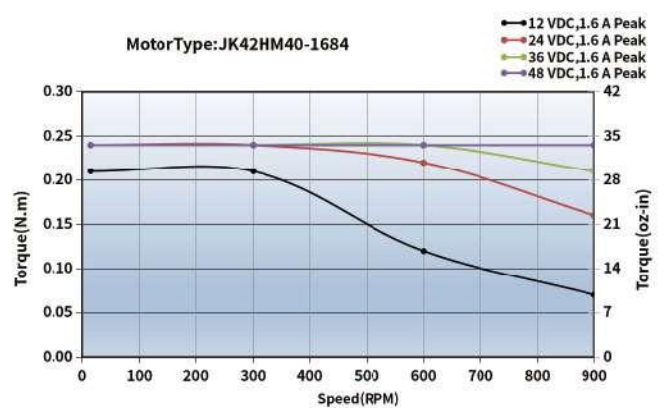
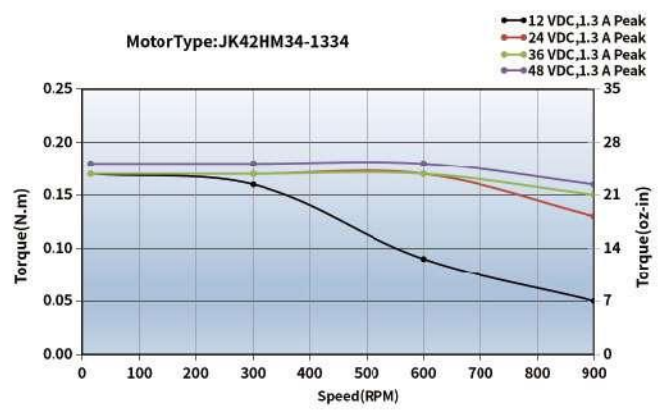
(单位 / Unit=mm)



● 接线图 (Wiring Diagram)



● 标准运行力矩图 (Standard operating torque diagram)



0.9°57mm两相混合式步进电机

0.9°57mm(NEMA23)2phase hybrid stepper motor

混合式步进电机

Hybrid Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	0.9°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	75N (20mm from the flange)
最大轴向压力	Max. axial force	15N



选件 Options



● 电机规格 (Electrical Specifications)

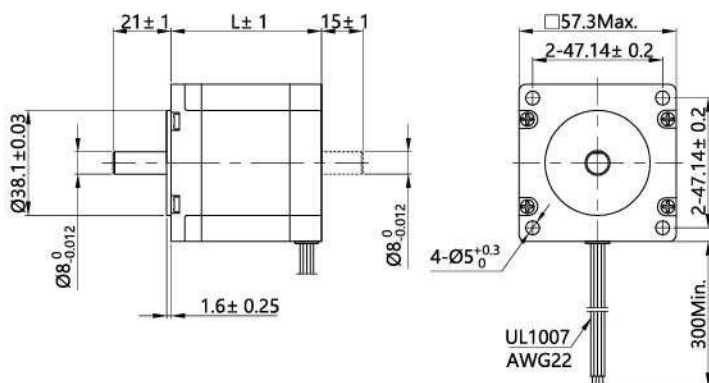
型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	kg.cm	No.	g.cm	g.cm ²	Kg
JK57HM41-2804	0.9	41	2.8	0.7	2.2	5	4	210	120	0.45
JK57HM56-2804	0.9	56	2.8	0.9	3.3	12	4	400	300	0.7
JK57HM76-2804	0.9	76	2.8	1.15	5.6	18	4	680	480	1

以上仅为代表产品, 特殊要求产品可根据客户要求订制。

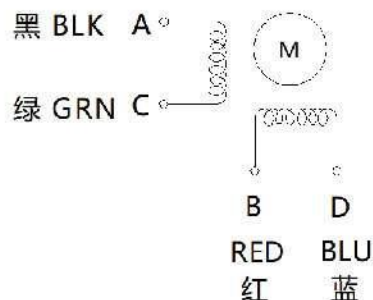
Above only for representative products, products of special request can be made according to the customer request.

● 电机外型图 (Dimensions)

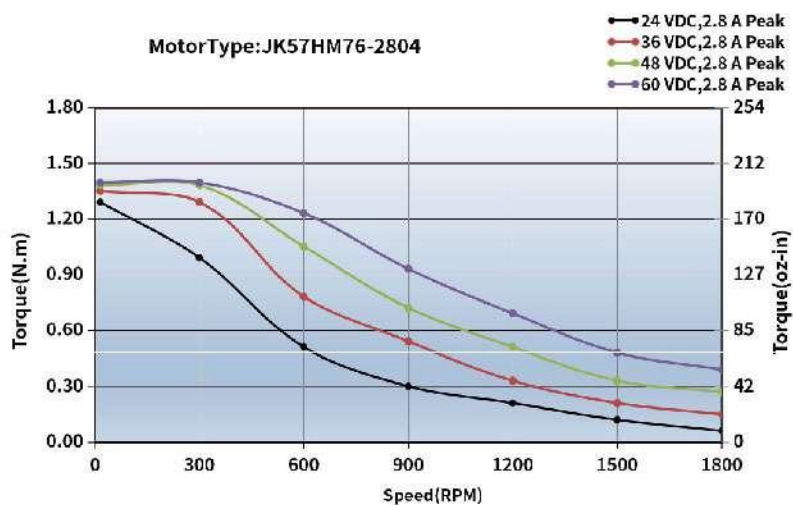
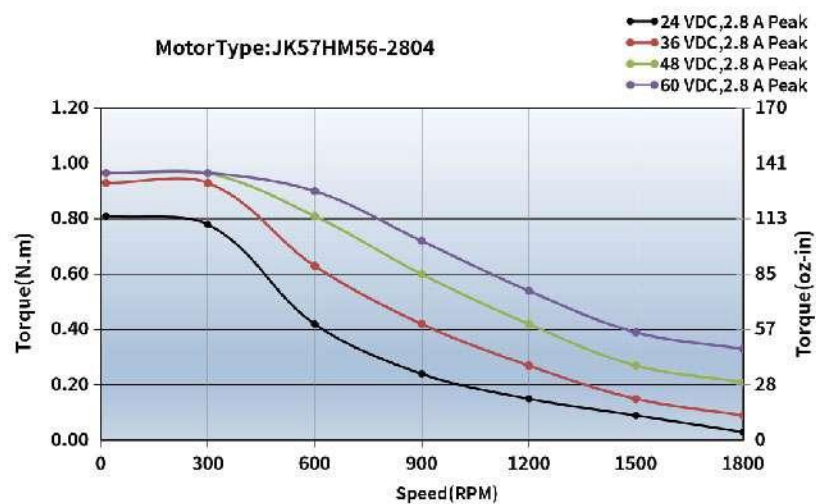
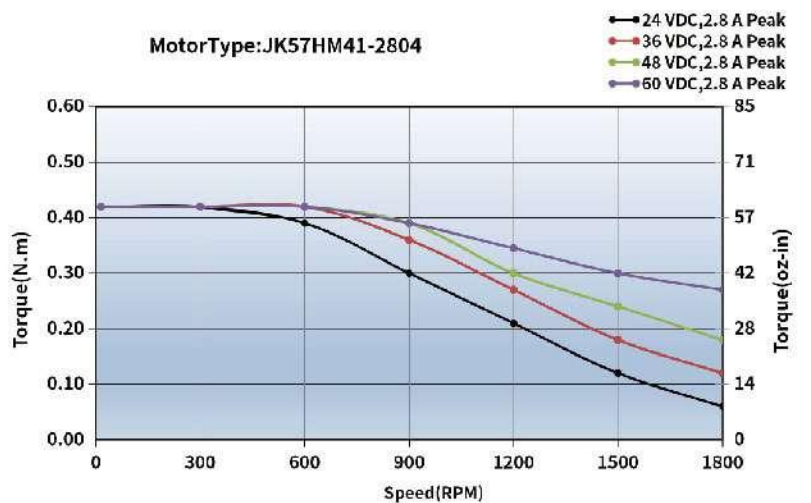
(单位 / Unit=mm)



● 接线图 (Wiring Diagram)



● 标准运行力矩图 (Standard operating torque diagram)



1.2°57mm三相混合式步进电机

1.2°57mm(NEMA23) 3phase hybrid stepper motor

混合式步进电机

Hybrid Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.2°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	75N (20mm from the flange)
最大轴向压力	Max. axial force	15N



选件 Options



● 电机规格 (Electrical Specifications)

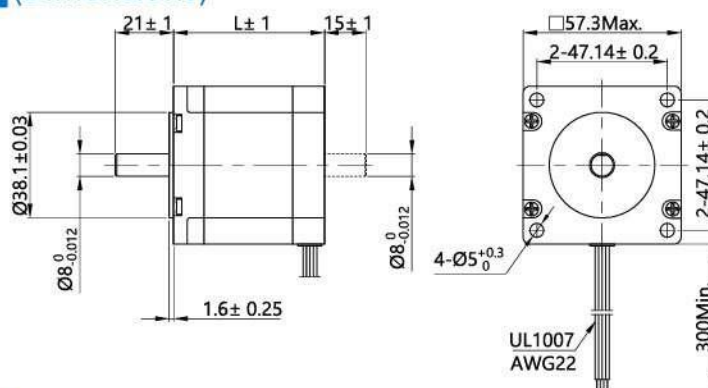
型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	kg.cm	g.cm	g.cm ²	Kg
JK57H3P42-5206	1.2	42	5.2	1.3	1.4	4.5	210	110	0.45
JK57H3P56-5606	1.2	56	5.6	0.7	0.7	9	400	300	0.75
JK57H3P79-5206	1.2	79	5.2	0.9	1.5	15	680	480	1.1

以上仅为代表产品, 特殊要求产品可根据客户要求订制。

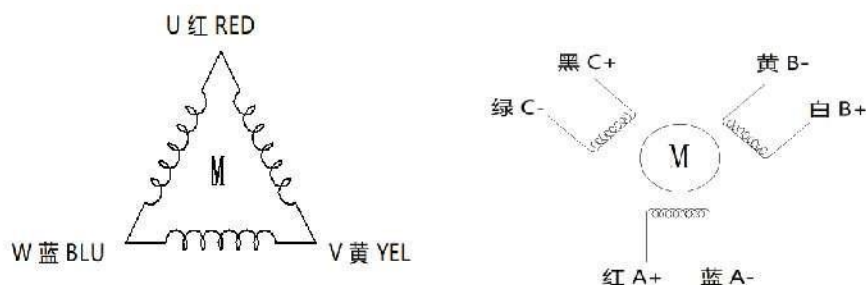
Above only for representative products, products of special request can be made according to the customer request.

● 电机外型图 (Dimensions)

(单位 / Unit=mm)



● 接线图 (Wiring Diagram)



1.2°86mm三相混合式步进电机

1.2°86mm(NEMA34) 3 phase hybrid stepper motor

混合式步进电机

Hybrid Stepper motor

基本性能

(General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.2°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100Ω Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	75N (20mm from the flange)
最大轴向压力	Max. axial force	15N



选件 Options



齿轮箱



编码器



刹车

电机规格

(Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	N.m	g.cm ²	Kg
JK86H3P65-3006	1.2	65	3.0	0.5	1.6	2	1100	1.65
JK86H3P98-5206	1.2	98	5.2	0.6	3	4.5	2320	2.70
JK86H3P113-5206	1.2	113	5.2	0.9	5.9	6	3100	3.50
JK86H3P126-6006	1.2	126	6.0	0.75	2.4	6.5	3300	3.80
JK86H3P150-5006	1.2	150	5.0	1.5	3	7	4650	5.10

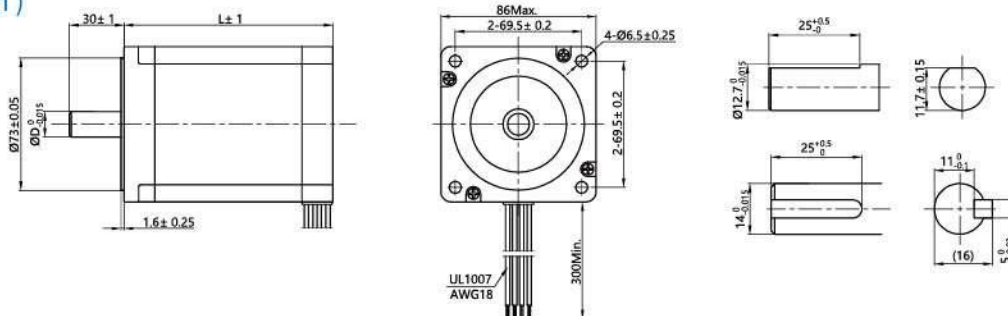
以上仅为代表产品，特殊要求产品可根据客户要求订制。

Above only for representative products, products of special request can be made according to the customer request.

电机外型图

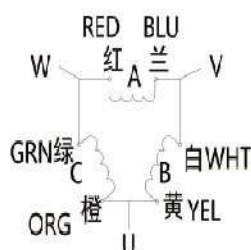
(Dimensions)

(单位 / Unit=mm)



接线图

(Wiring Diagram)



1.2°110mm三相混合式步进电机

1.2°110mm(NEMA42) 3phase hybrid Stepper motor

混合式步进电机

Hybrid Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.2°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	220N (20mm from the flange)
最大轴向压力	Max. axial force	60N



选件 Options



● 电机规格 (Electrical Specifications)

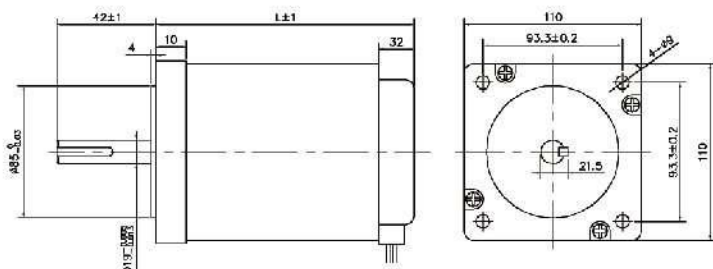
型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	转动惯量 Rotor inertia	引线数 # of Leads	重量 Weight
	(°)	(L)mm	A	Ω	mH	N.m	g.cm ²		Kg
JK110H3P134-3003	1.2	134	3	3.15	17	8	9750	3	7.8
JK110H3P162-3003	1.2	162	3	4.2	22	13	12100	3	8.3
JK110H3P194-5003	1.2	194	5	2.14	17.5	16	15300	3	10.5
JK110H3P233-5003	1.2	233	5	1.93	23	20	18600	3	12.6
JK110H3P253-5003	1.2	253	5	2.4	24.4	22	21000	3	13.1
JK110H3P285-5003	1.2	285	5	2.9	27	25	24300	3	14.8

以上仅为代表产品, 特殊要求产品可根据客户要求订制。

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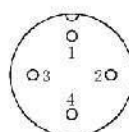
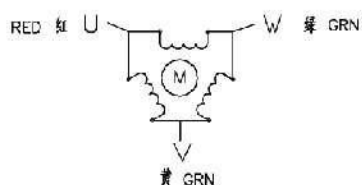
● 电机外型图 (Dimensions)

(单位 / Unit=mm)



型号 Model	轴径 Shaft Φ (mm)	轴伸 Shaft Type (mm)	轴长 Shaft L (mm)
JK110H3P134-2003	19	平键 6X3X25	42
JK110H3P162-2003	19	平键 6X3X25	42
JK110H3P194-5003	19	平键 6X3X25	42
JK110H3P233-5003	19	平键 6X3X25	42
JK110H3P253-5003	19	平键 6X3X25	42
JK110H3P285-5003	19	平键 6X3X25	42

● 接线图 (Wiring Diagram)



序号	1	2	3	4	备注
相序	U	V	W	GND	四芯插座

1.2°130mm三相混合式步进电机
1.2°130mm(NEMA52) 3phase hybrid stepper motor

混合式步进电机
Hybrid Stepper motor



选件 Options



● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.2°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
绝缘强度	Dielectric Strength	1000VAC for 1minute
绝缘等级	Insulation Class	B

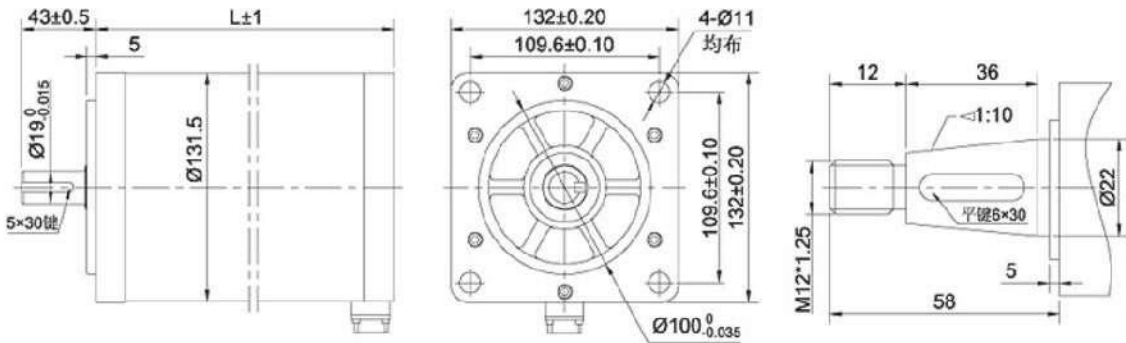
● 电机规格 (Electrical Specifications)

型号 Model No.	运行电压 Operating Voltage	额定电流 Rated Current	电阻 Resistance	电感 Inductance	保持转矩 Holding Torque	空载频率 Noload Frequency	启动频率 Starting Frequency	重量 Weight	长度 Length
	VDC	A	Ω	mH	N.m	No.	No.	kg	mm
JK130H3P173-5003	80~325	5	0.68	9.2	25	20000	2600	13.3	173
JK130H3P229-5003	80~325	5	0.94	14.8	30	20000	2500	17.8	229
JK130H3P257-5003	80~325	5	1.71	23.6	40	18000	2500	20	257
JK130H3P285-6003	80~325	6	1.18	19.4	50	18000	2500	22.5	285

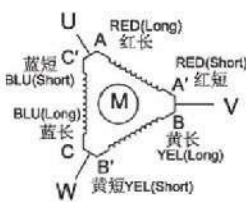
以上仅为代表产品，特殊要求产品可根据客户要求订制。
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● 电机外型图 (Dimensions)

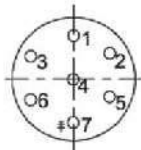
(单位 / Unit=mm)



● 接线图 (Wiring Diagram)



三角形接法 Delta Connection	U A-C	V A-B	W B-C
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七芯插座
Seven Pins socket

U	V	W	PE
1	3	5	7

1.8°20mm两相混合式步进电机
1.8°20mm (NEMA8)2phase hybrid stepper motor

混合式步进电机
Hybrid Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选件 Options



接插件



齿轮箱



编码器



刹车



一体机

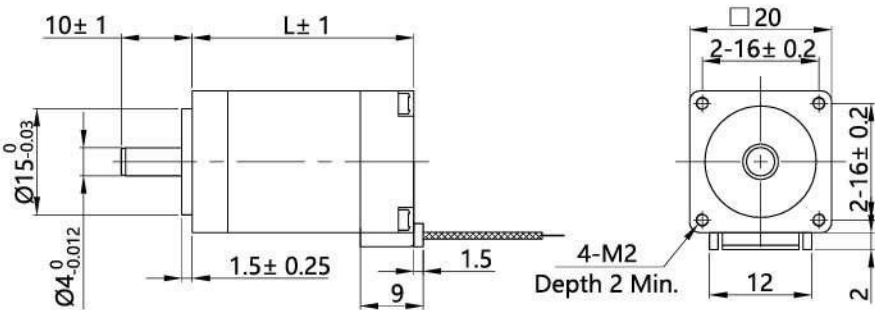
● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	g.cm	No.	g.cm	g.cm ²	Kg
JK20HS30-0604	1.8	30	0.6	6.5	1.7	180	4	20	2	0.05
JK20HS38-0604	1.8	38	0.6	9	3	220	4	40	3	0.08

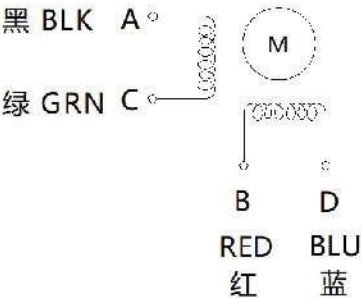
以上仅为代表产品，特殊要求产品可根据客户要求订制。
Above only for representative products, products of special request can be made according to the customer request.

● 电机外型图 (Dimensions)

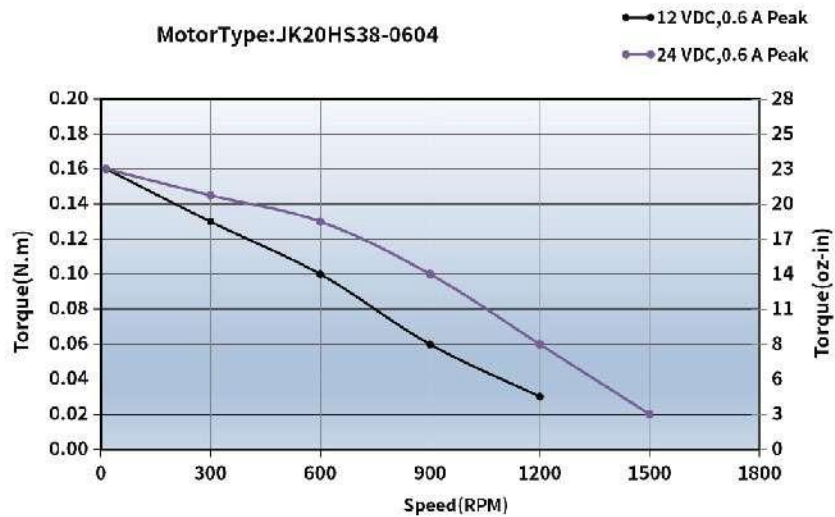
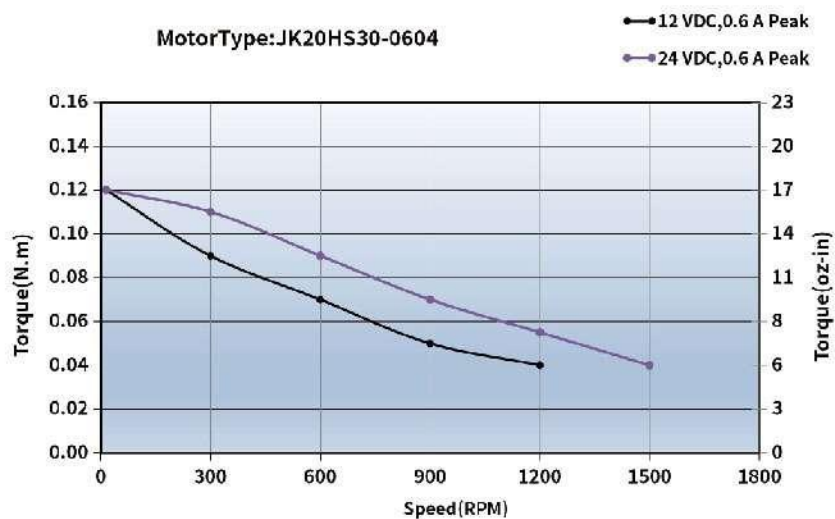
(单位 / Unit=mm)



● 接线图 (Wiring Diagram)



● 标准运行力矩图 (Standard operating torque diagram)



1.8°28mm两相混合式步进电机

1.8°28mm(NEMA11) 2phase hybrid stepper motor

混合式步进电机

Hybrid Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选项 Options



● 电机规格 (Electrical Specifications)

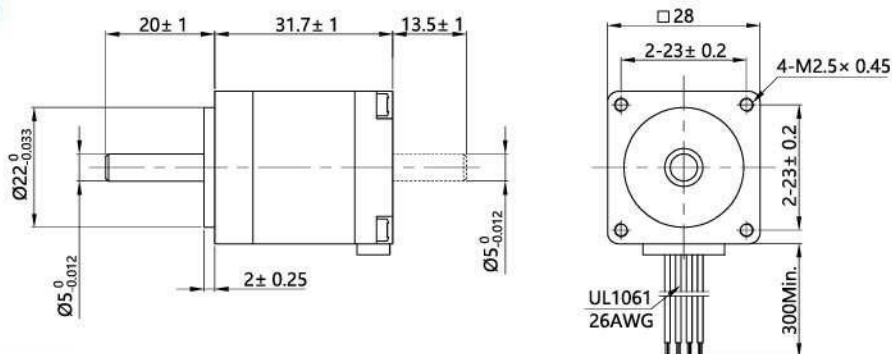
型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	g.cm	No.	g.cm ²	Kg
JK28HS32-0674	1.8	32	0.67	5.6	3.4	600	4	9	0.11
JK28HS45-0674	1.8	45	0.67	6.8	4.9	950	4	12	0.14
JK28HS51-0674	1.8	51	0.67	9.2	7.2	1200	4	18	0.2

以上仅为代表产品, 特殊要求产品可根据客户要求订制。

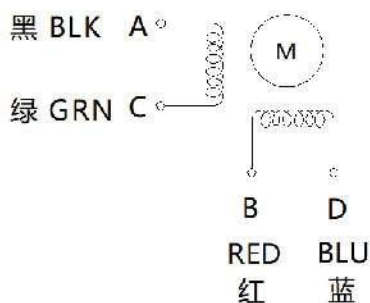
Above only for representative products, products of special request can be made according to the customer request.

● 电机外型图 (Dimensions)

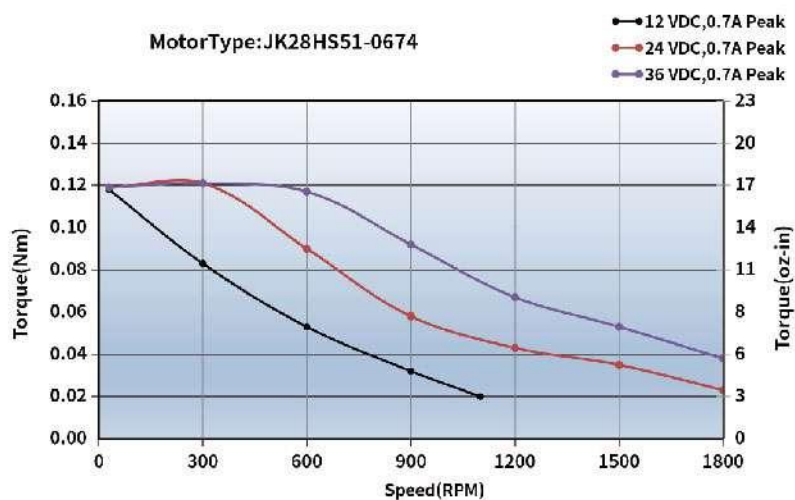
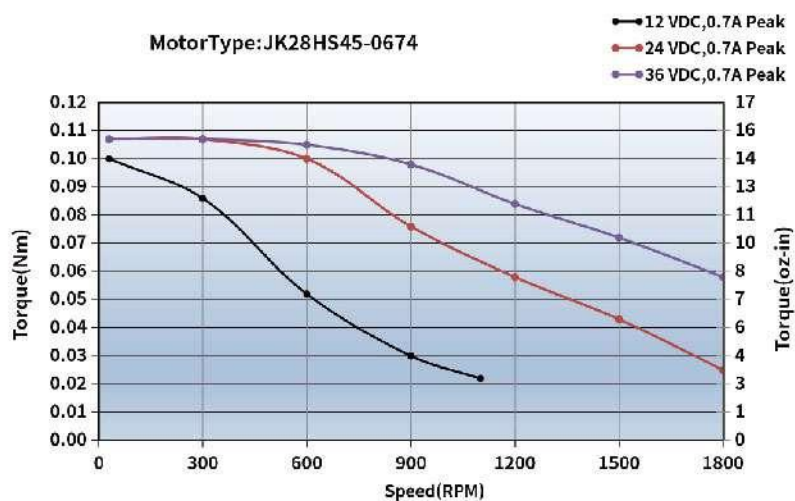
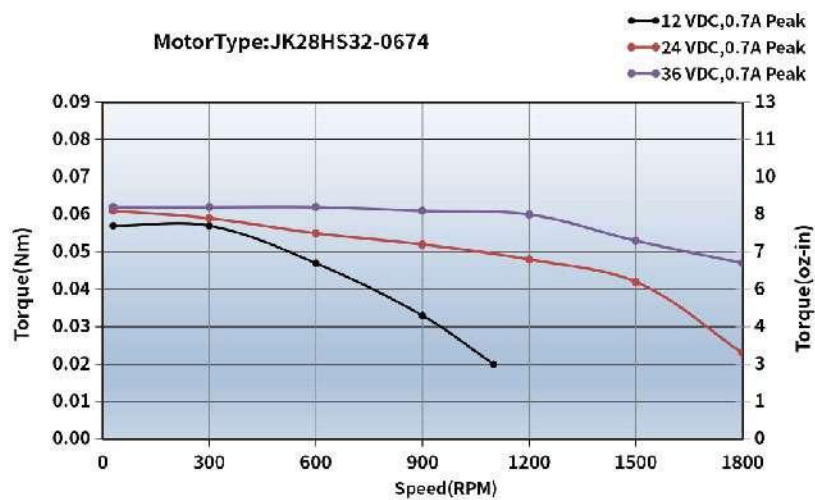
(单位 / Unit=mm)



● 接线图 (Wiring Diagram)



● 标准运行力矩图 (Standard operating torque diagram)



1.8°35mm两相混合式步进电机
1.8°35mm(NEMA14) 2phase hybrid stepper motor

混合式步进电机
Hybrid Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选件 Options



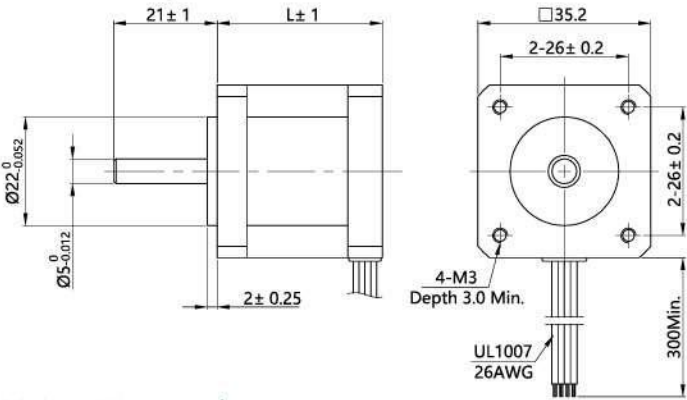
● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	g.cm	No.	g.cm	g.cm ²	Kg
JK35HS28-0504	1.8	28	0.5	20	14	1000	4	80	11	0.13
JK35HS34-1004	1.8	34	1	2.7	4.3	1400	4	100	13	0.17
JK35HS42-1004	1.8	42	1	3.8	3.5	2000	4	125	23	0.22

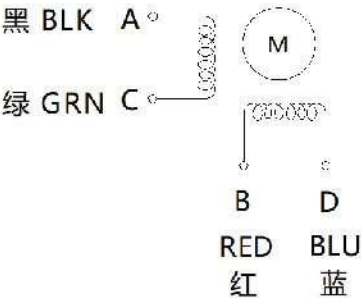
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● 电机外型图 (Dimensions)

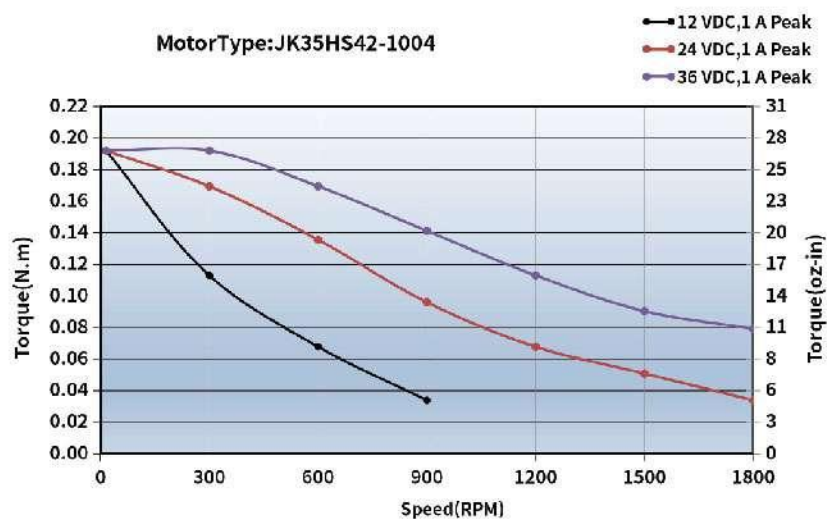
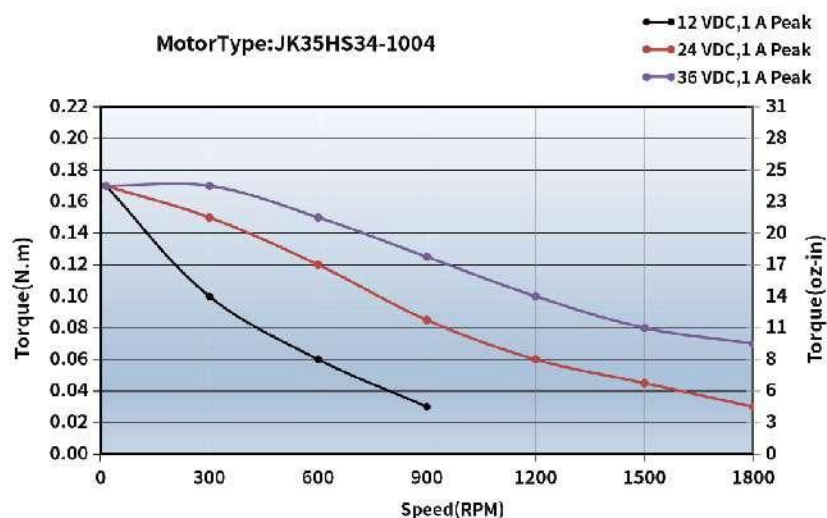
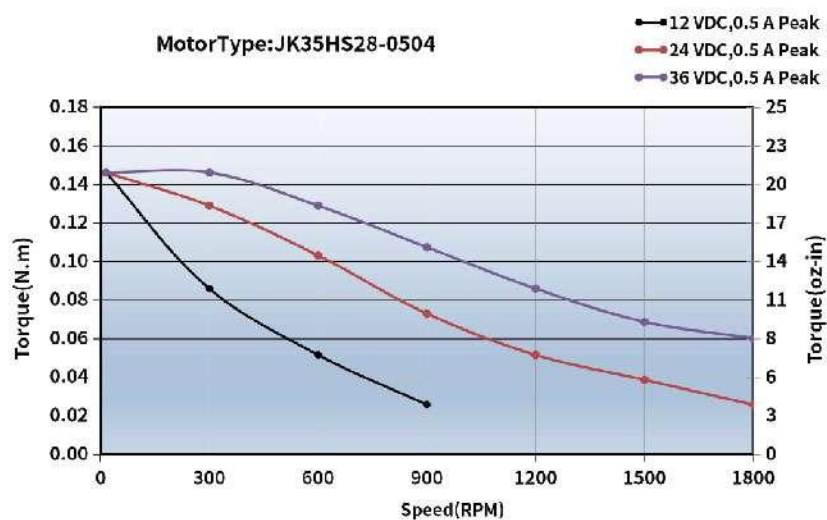
(单位 / Unit=mm)



● 接线图 (Wiring Diagram)



● 标准运行力矩图 (Standard operating torque diagram)



1.8°39mm两相混合式步进电机

1.8°39mm(NEMA16) 2phase hybrid stepper motor

混合式步进电机

Hybrid Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选项 Options



● 电机规格 (Electrical Specifications)

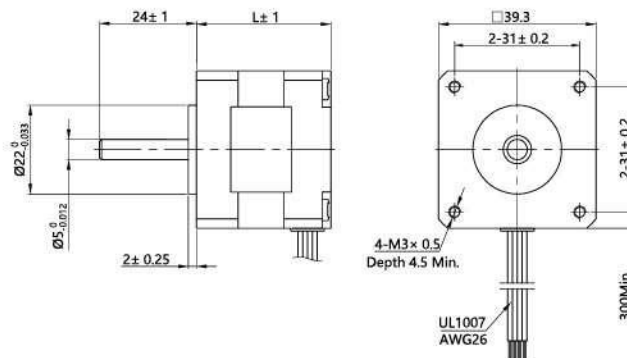
型号 Model No.	步距角 Step Angle (°)	长度 Motor Length (L)mm	电流 Current /Phase A	电阻 Resistance /Phase Ω	电感 Inductance /Phase mH	静转矩 Holding Torque g.cm	引线数 # of Leads No.	定位转矩 Detent Torque g.cm	转子惯量 Rotor Inertia g.cm²	重量 Weight Kg
JK39HY20-0404	1.8	20	0.4	6.6	7.5	650	4	50	11	0.12
JK39HY34-0404	1.8	34	0.4	30	32	2100	4	120	20	0.18
JK39HY38-0504	1.8	38	0.5	24	45	2900	4	180	24	0.2

以上仅为代表产品, 特殊要求产品可根据客户要求订制。

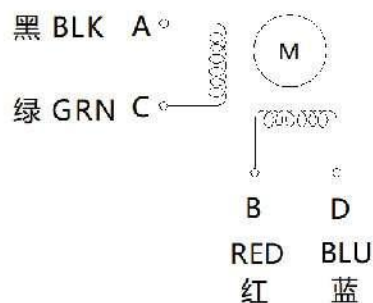
Above only for representative products, products of special request can be made according to the customer request.

● 电机外型图 (Dimensions)

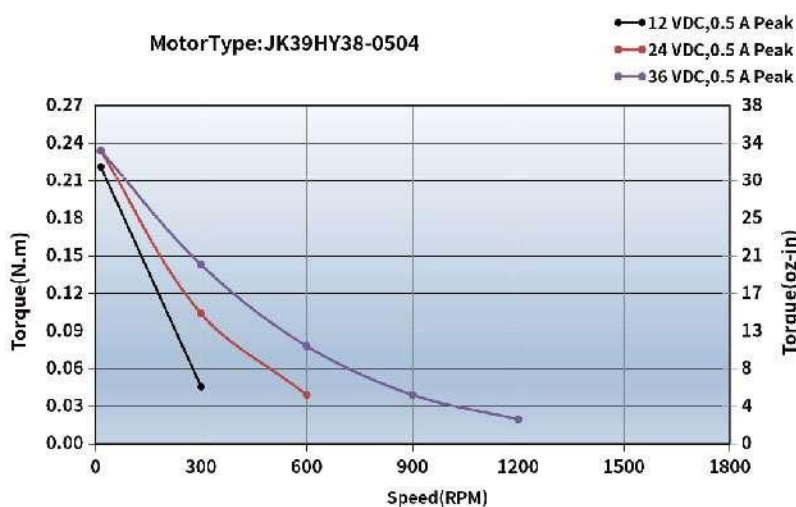
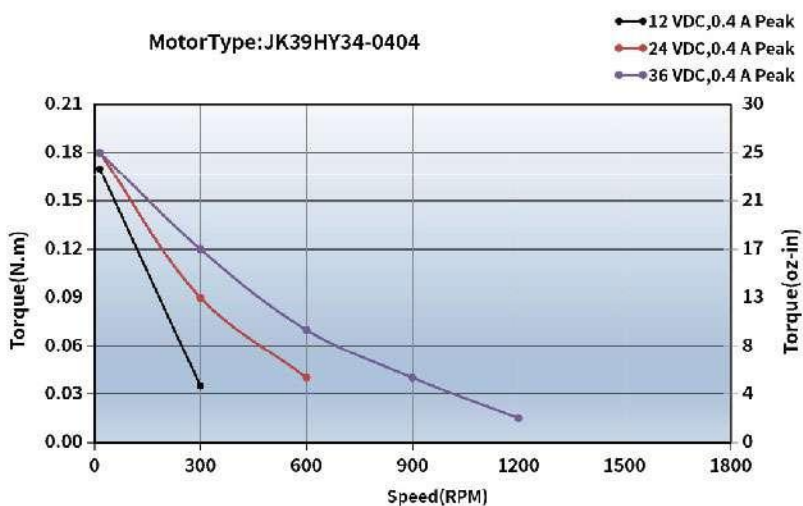
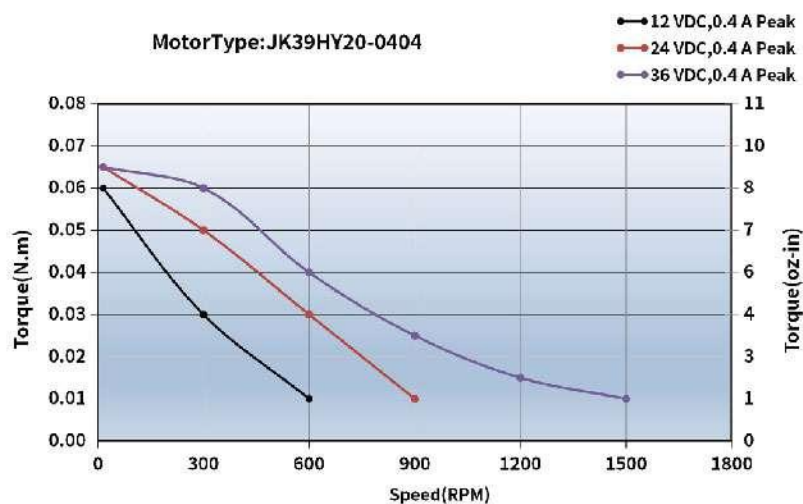
(单位 / Unit=mm)



● 接线图 (Wiring Diagram)



● 标准运行力矩图 (Standard operating torque diagram)



1.8°42mm两相混合式步进电机

1.8°42mm(NEMA17)2 phase hybrid stepper motor

混合式步进电机

Hybrid Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选件 Options



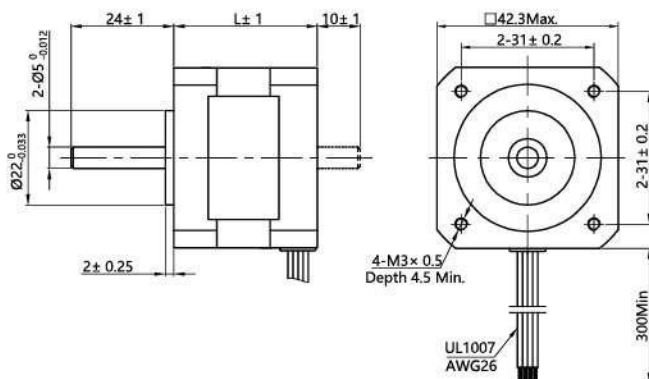
● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle (°)	长度 Motor Length (L)mm	电流 Current /Phase A	电阻 Resistance /Phase Ω	电感 Inductance /Phase mH	静转矩 Holding Torque kg.cm	引线数 # of Leads No.	定位转矩 Detent Torque g.cm	转子惯量 Rotor Inertia g.cm ²	重量 Weight Kg
JK42HS25-0404	1.8	25	0.4	24	36	1.5	4	75	20	0.15
JK42HS28-0504	1.8	28	0.5	20	21	1.8	4	85	24	0.22
JK42HS34-1334	1.8	34	1.33	2.1	2.5	2.6	4	120	34	0.22
JK42HS34-0956	1.8	34	0.95	4.2	2.5	2.2	6	120	34	0.22
JK42HS40-1704	1.8	40	1.7	1.5	2.3	4.2	4	150	54	0.28
JK42HS40-1206	1.8	40	1.2	3	2.7	3.2	6	150	54	0.28
JK42HS48-1684	1.8	48	1.68	1.65	2.8	5.5	4	260	68	0.38
JK42HS48-1206	1.8	48	1.2	3.3	2.8	4	6	260	68	0.38
JK42HS60-1704	1.8	60	1.7	3	6.2	7.3	4	280	102	0.55
JK42HS60-1206	1.8	60	1.2	6	7	5.6	6	280	102	0.55

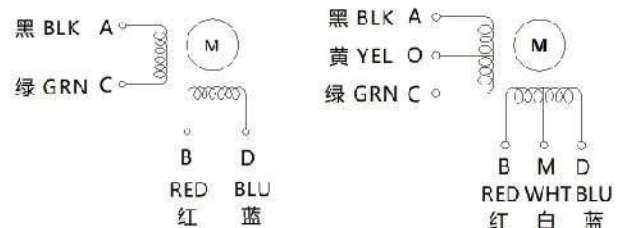
以上仅为代表产品, 特殊要求产品可根据客户要求订制。
Above only for representative products, products of special request can be made according to the customer request.

● 电机外型图 (Dimensions)

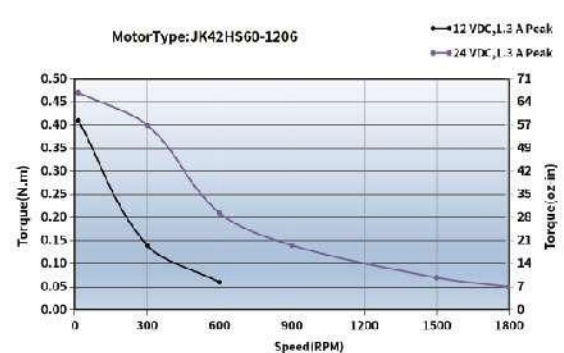
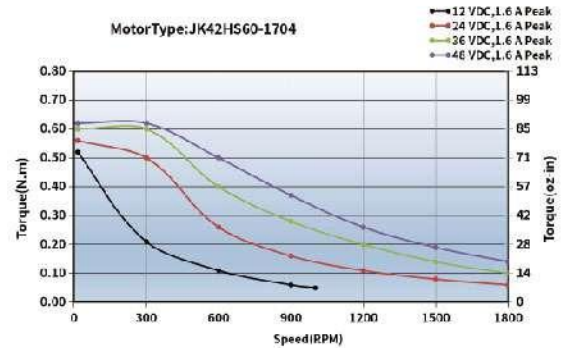
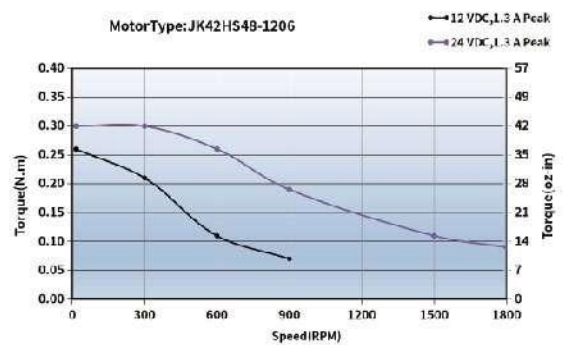
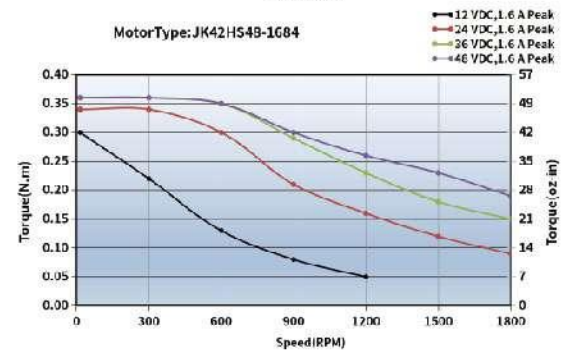
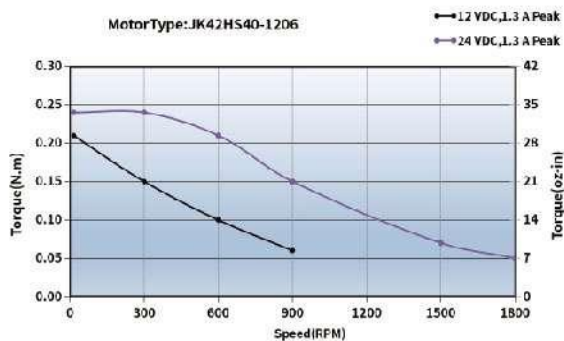
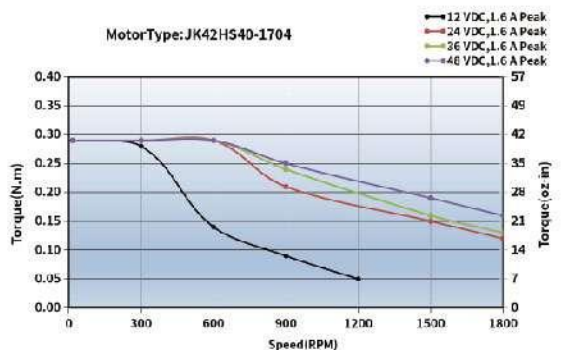
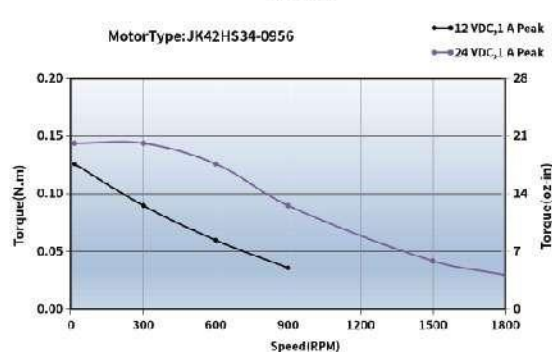
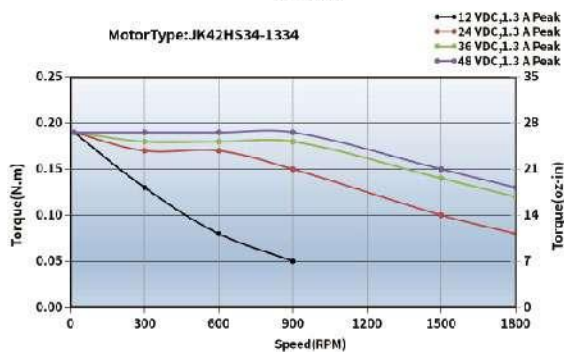
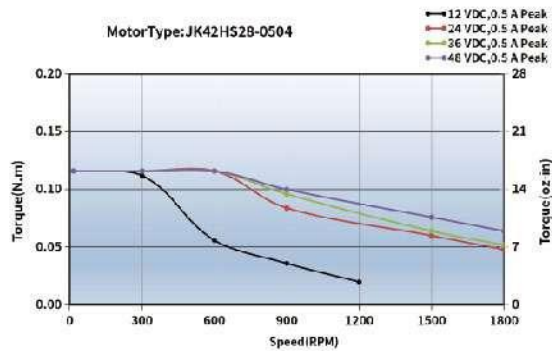
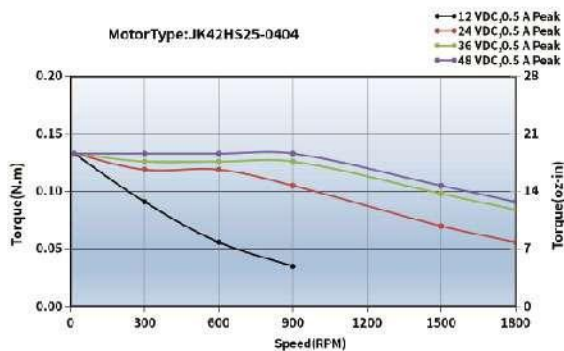
(单位 / Unit=mm)



● 接线图 (Wiring Diagram)



● 标准运行力矩图 (Standard operating torque diagram)



1.8°57mm两相混合式步进电机
1.8°57mm(NEMA23) 2phase hybrid stepper motor

混合式步进电机
Hybrid Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	75N (20mm from the flange)
最大轴向压力	Max. axial force	15N



选件 Options



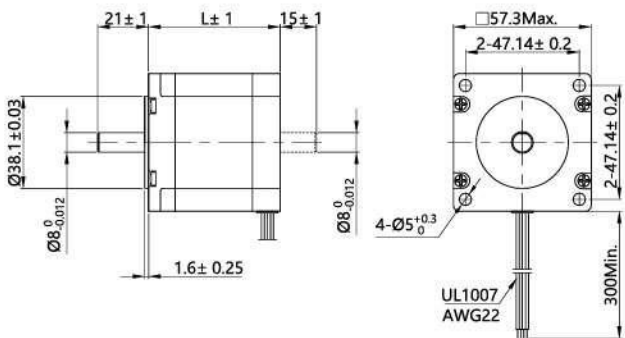
● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	N.m	No.	g.cm	g.cm ²	Kg
JK57HS41-2804	1.8	41	2.8	0.7	1.4	0.55	4	250	150	0.47
JK57HS51-2804	1.8	51	2.8	0.83	2.2	1	4	300	230	0.59
JK57HS56-2804	1.8	56	2.8	0.9	3	1.2	4	350	280	0.68
JK57HS76-2804	1.8	76	2.8	1.1	3.6	1.89	4	600	440	1.1
JK57HS82-3004	1.8	82	3	1.2	4	2.1	4	1000	600	1.1
JK57HS100-3004	1.8	100	3	0.75	3	2.8	4	1100	700	1.3
JK57HS112-3004	1.8	112	3	1.6	7.5	3	4	1200	800	1.4
JK57HS112-4204	1.8	112	4.2	0.9	3.8	3.1	4	1200	800	1.4

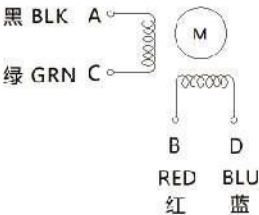
以上仅为代表产品，特殊要求产品可根据客户要求订制。
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● 电机外型图 (Dimensions)

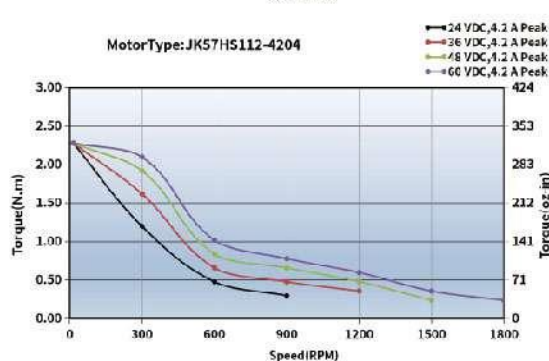
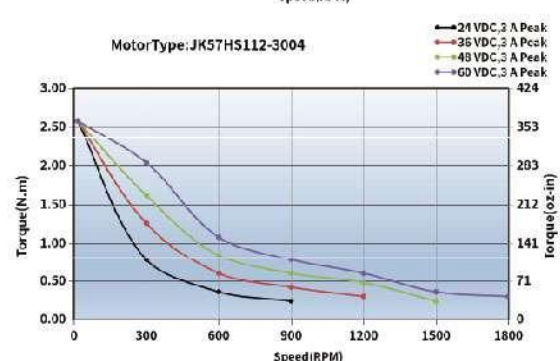
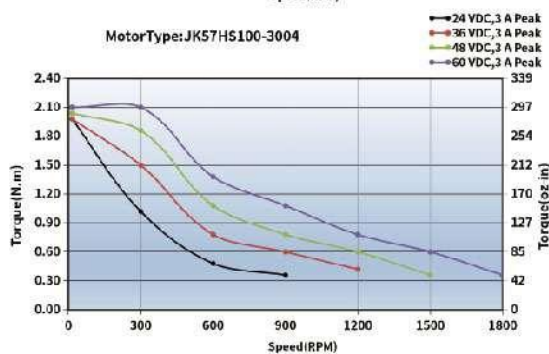
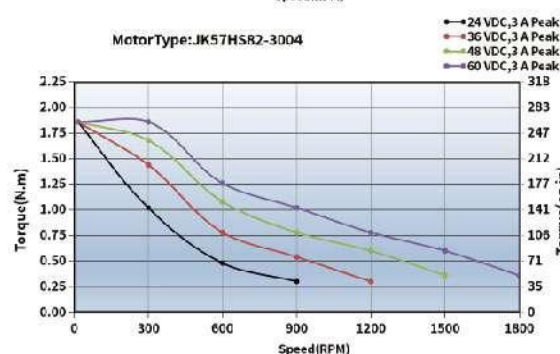
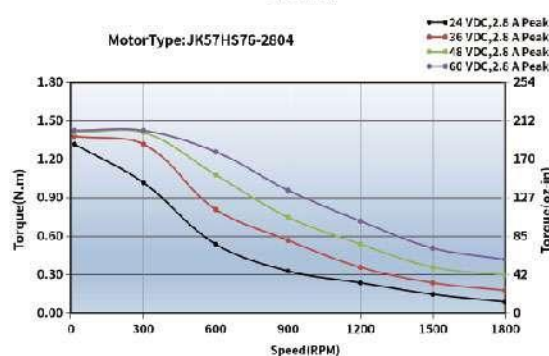
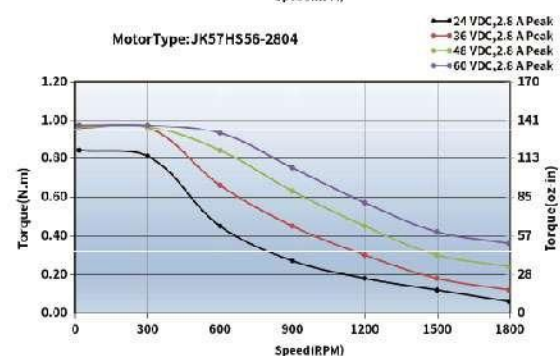
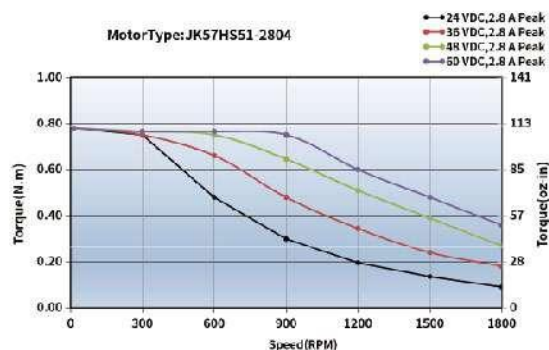
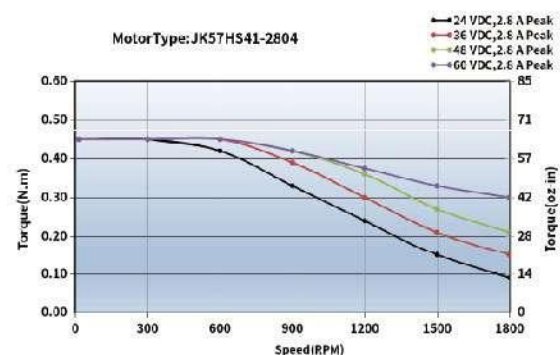
(单位 / Unit=mm)



● 接线图 (Wiring Diagram)



● 标准运行力矩图 (Standard operating torque diagram)



1.8°60mm两相混合式步进电机
1.8°60mm(NEMA24) 2phase hybrid stepper motor

混合式步进电机
Hybrid Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	75N (20mm from the flange)
最大轴向压力	Max. axial force	15N



选件 Options



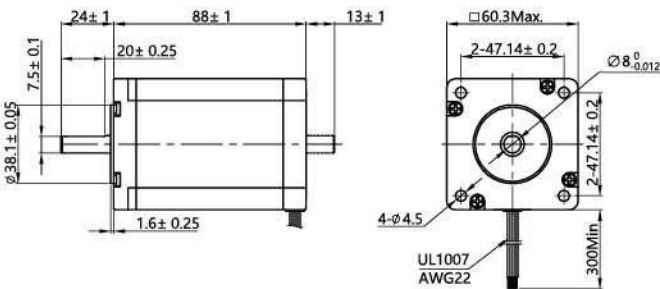
● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	N.m	No.	g.cm	g.cm ²	Kg
JK60HS56-2804	1.8	56	2.8	0.9	3.6	1.65	4	700	300	0.77
JK60HS67-2804	1.8	67	2.8	1.2	4.6	2.1	4	900	570	1.2
JK60HS88-2804	1.8	88	2.8	1.5	6.8	3.1	4	1000	840	1.4
JK60HS100-2804	1.8	100	2.8	1.6	6.4	4	4	1100	980	1.7
JK60HS111-2804	1.8	111	2.8	2.2	8.3	4.5	4	1200	1120	1.9

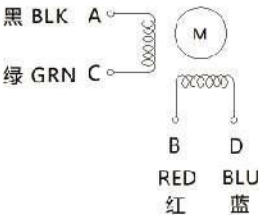
以上仅为代表产品,特殊要求产品可根据客户要求订制。
Above only for representative products, products of special request can be made according to the customer request.

● 电机外型图 (Dimensions)

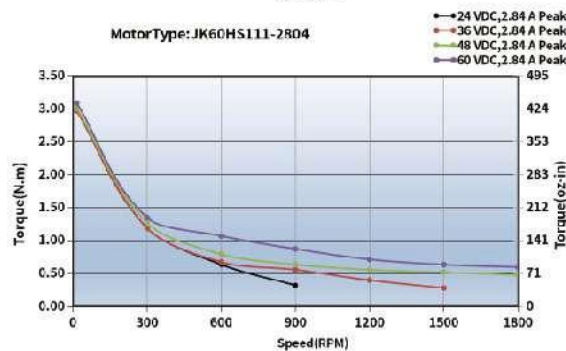
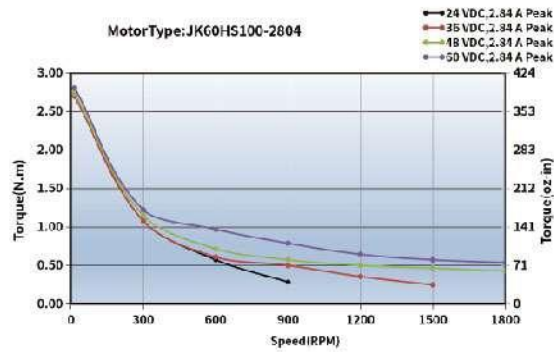
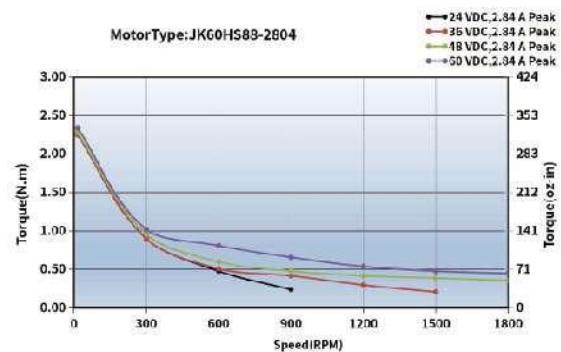
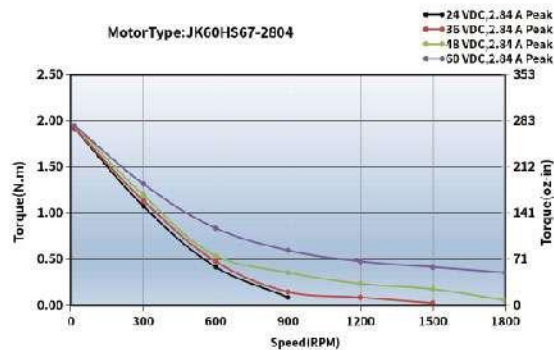
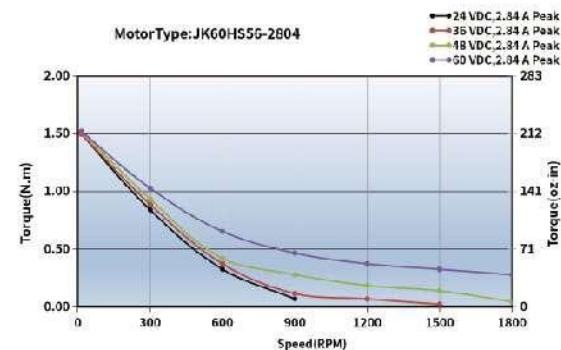
(单位 / Unit=mm)



● 接线图 (Wiring Diagram)



● 标准运行力矩图 (Standard operating torque diagram)



1.8°86mm两相混合式步进电机

1.8°86mm(NEMA34) 2 phase hybrid stepper motor

混合式步进电机

Hybrid Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	220N (20mm from the flange)
最大轴向压力	Max. axial force	60N



选件 Options



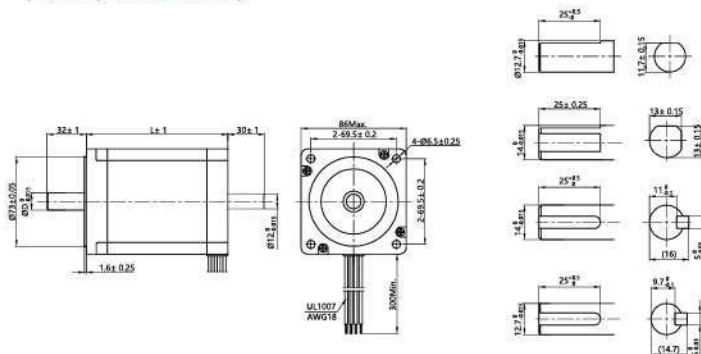
● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	N.m	No.	g.cm	g.cm ²	Kg
JK86HS78-6004	1.8	78	6	0.37	3.4	4.6	4	1200	1400	2.3
JK86HS115-6004	1.8	115	6	0.6	6.5	8.7	4	2400	2700	3.8
JK86HS126-6004	1.8	126	6	0.58	6.5	9.5	4	2900	3200	4.5
JK86HS155-6004	1.8	155	6	0.68	9	13	4	3600	4000	5.4

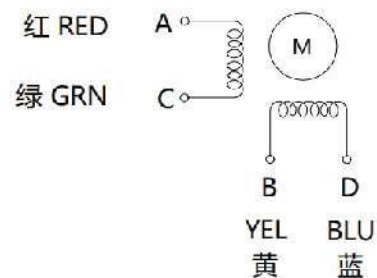
以上仅为代表产品, 特殊要求产品可根据客户要求订制。
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● 电机外型图 (Dimensions)

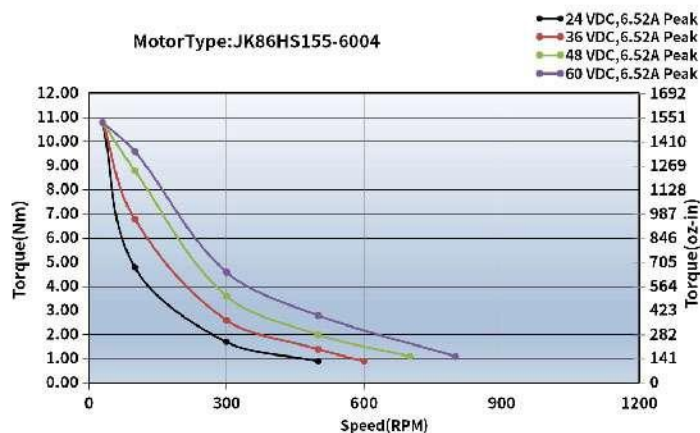
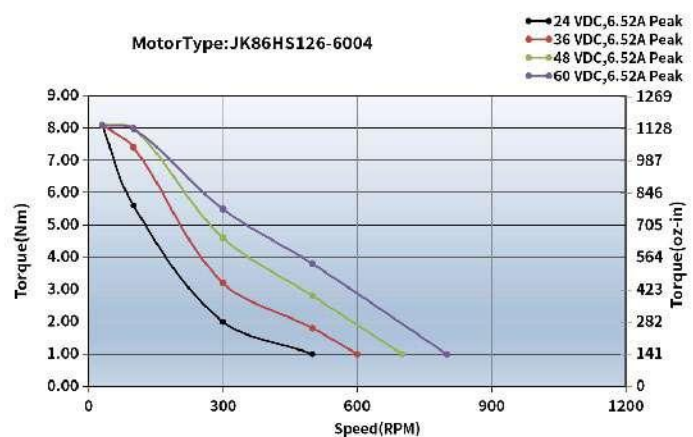
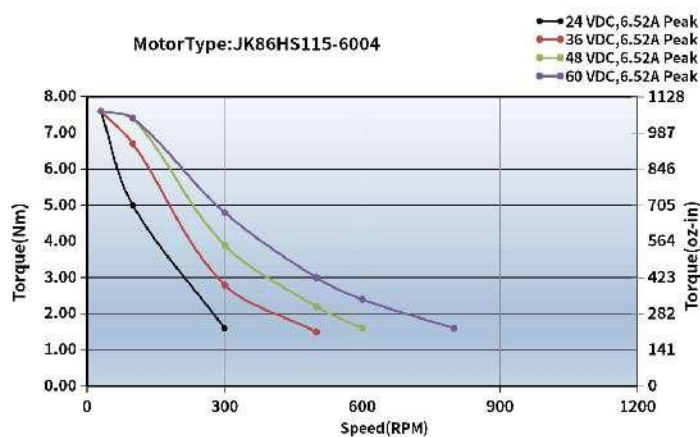
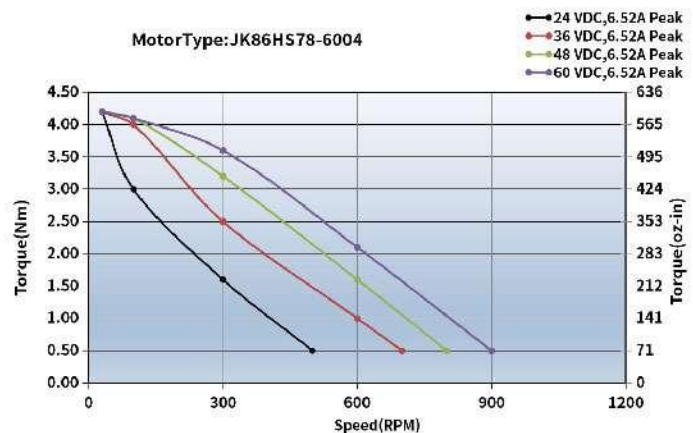
(单位 / Unit=mm)



● 接线图 (Wiring Diagram)



● 标准运行力矩图 (Standard operating torque diagram)



1.8°110mm两相混合式步进电机
1.8°110mm(NEMA42) 2phase hybrid stepper motor

混合式步进电机
Hybrid Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	220N (20mm from the flange)
最大轴向压力	Max. axial force	60N



选件 Options



齿轮箱



编码器



刹车

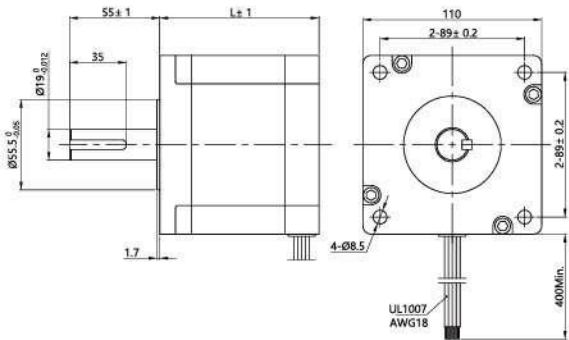
● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	N.m	No.	g.cm	g.cm ²	Kg
JK110HS99-5504	1.8	99	5.5	0.9	12	11.2	4	3	5500	5
JK110HS150-6504	1.8	150	6.5	0.8	15	21	4	5.9	10900	8.4
JK110HS201-8004	1.8	201	8	0.67	12	28	4	7.5	16200	11.8

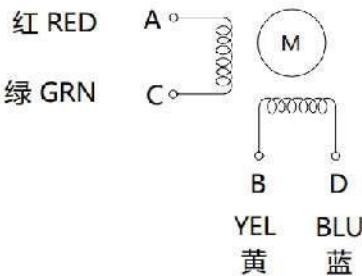
以上仅为代表产品，特殊要求产品可根据客户要求订制。
Above only for representative products, products of special request can be made according to the customer request.

● 电机外型图 (Dimensions)

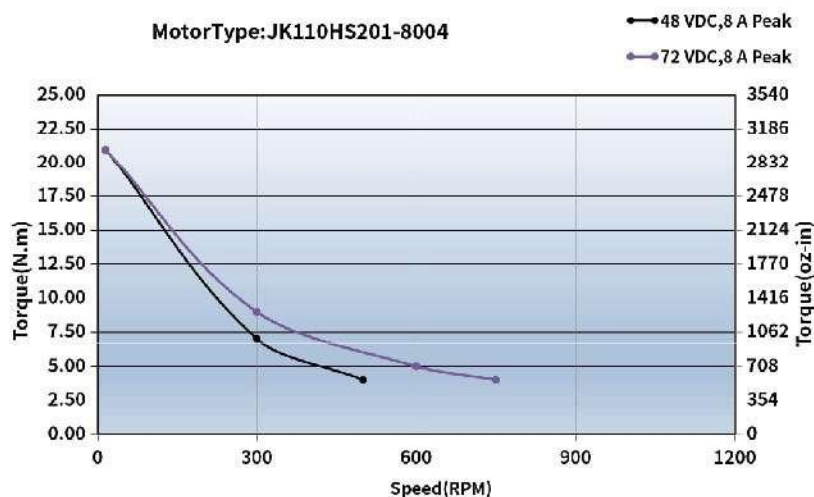
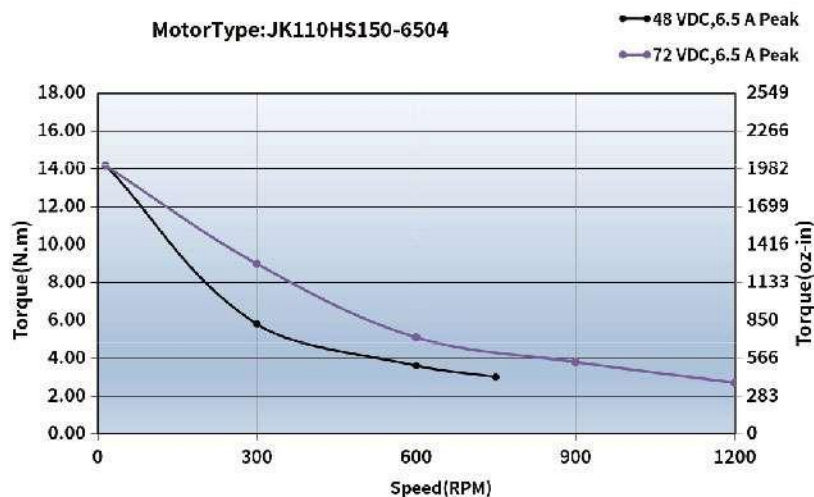
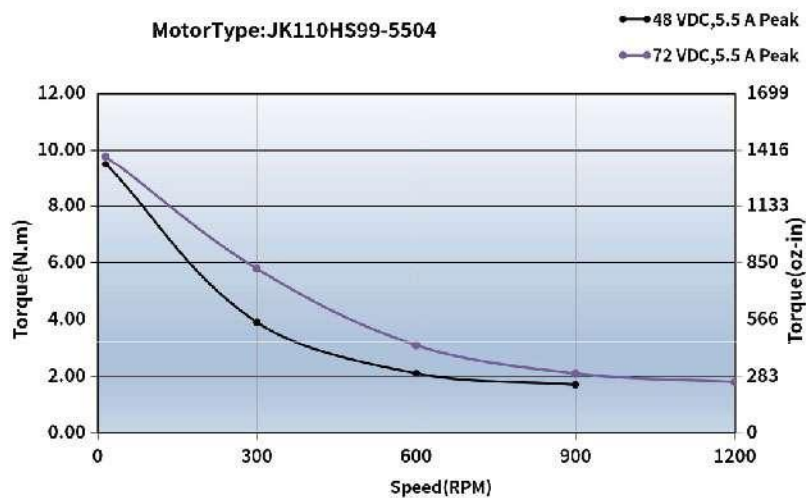
(单位 / Unit=mm)



● 电气原理图 (Wiring Diagram)



● 标准运行力矩图 (Standard operating torque diagram)



1.8°130mm两相混合式步进电机

1.8°130mm(NEMA52) 2phase hybrid stepper motor

混合式步进电机

Hybrid Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
绝缘强度	Dielectric Strength	1000VAC for 1minute
绝缘等级	Insulation Class	B



选件 Options



● 电机规格 (Electrical Specifications)

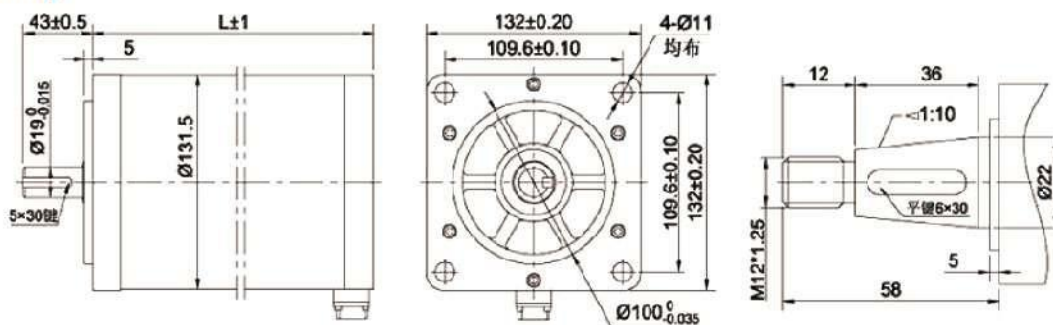
型号 Model No.	运行电压 Operating Voltage	额定电流 Rated Current	电阻 Resistance	电感 Inductance	保持转矩 Holding Torque	空载频率 Noload Frequency	启动频率 Starting Frequency	重量 Weight	长度 Length
	VDC	A	Ω	mH	N.m	No.	No.	kg	mm
JK130HS173-6004	80~325	6	0.75	12.6	25	25000	2300	13.3	173
JK130HS229-6004	80~325	6	0.83	13.2	30	25000	2300	18	229
JK130HS257-7004	80~325	7	0.73	11.7	40	23000	2200	19	257
JK130HS285-7004	80~325	7	0.66	10	50	23000	2200	22.5	285

以上仅为代表产品, 特殊要求产品可根据客户要求订制。

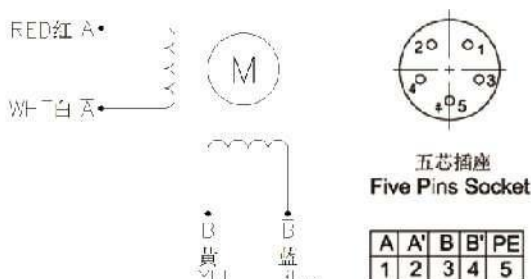
Above only for representative products, products of special request can be made according to the customer request.

● 电机外型图 (Dimensions)

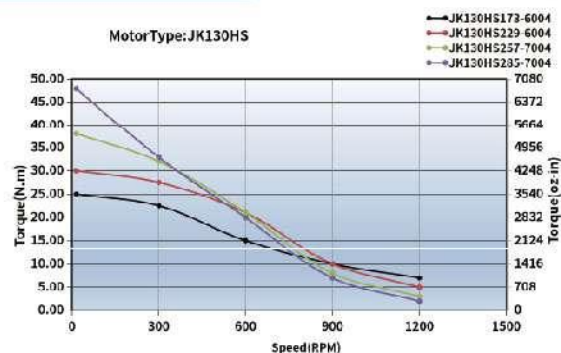
(单位 / Unit=mm)



● 接线图 (Wiring Diagram)



● 标准运行力矩图 (Standard operating torque diagram)



1.8° 20mmT型丝杠外部驱动式直线步进电机

1.8° 20mm External Linear stepper motor (T-type)

直线型步进电机

Linear Stepper motor

● 基本性能

(General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选件 Options



接插件



一体机

● 电机规格

(Electrical Specifications)

型号 Model No.	步距角 Step Angle (°)	长度 Motor Length (L)mm	电流 Current /Phase A	电阻 Resistance /Phase Ω	电感 Inductance /Phase mH	静转矩 Holding Torque g.cm	引线数 # of Leads No.	定位转矩 Detent Torque mN.m	转子惯量 Rotor Inertia g.cm ²	重量 Weight Kg
JK20HST30-0604	1.8	30	0.6	6.5	1.7	180	4	2	2	0.05
JK20HST38-0604	1.8	38	0.6	9	3	220	4	4	3	0.08

以上仅为代表产品，特殊要求产品可根据客户要求订制。

Above only for representative products, products of special request can be made according to the customer request.

● 丝杠规格

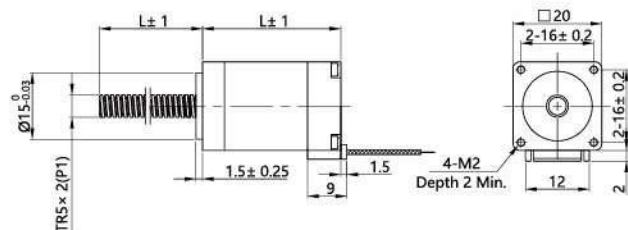
(Screw rod Specification)

丝杠直径 Screw Diameter (mm)	丝杠导程 Screw Lead (mm)	丝杠螺距 Screw Pitch (mm)	步长 Travel per step (mm)	丝杠直径 Screw Diameter (mm)	丝杠导程 Screw Lead (mm)	丝杠螺距 Screw Pitch (mm)	步长 Travel per step (mm)
3.5	0.06096	0.06096	0.0003048	3.5	2.43	1.2192	0.01215
	1	1	0.005		2.43	0.6096	0.01215
	2	1	0.01		4	1	0.02

● 电机外型图

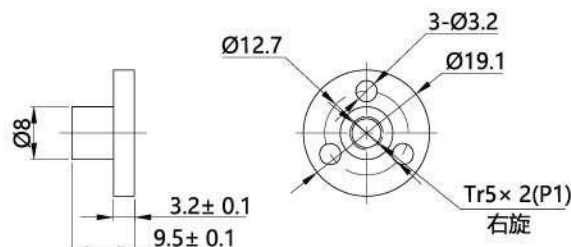
(Dimensions)

(单位 / Unit=mm)



● 螺母图纸

(Nut)



1.8° 28mmT型丝杠外部驱动式直线步进电机

1.8° 28mm External Linear stepper motor (T-type)

直线型步进电机

Linear Stepper motor

● 基本性能

(General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选件 Options



接插件

一体机

● 电机规格

(Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	g.cm	No.	g.cm ²	Kg
JK28HST32-0674	1.8	32	0.67	5.6	3.4	600	4	9	0.11
JK28HST45-0674	1.8	45	0.67	6.8	4.9	950	4	12	0.14
JK28HST51-0674	1.8	51	0.67	9.2	7.2	1200	4	18	0.2

以上仅为代表产品，特殊要求产品可根据客户要求订制。

Above only for representative products, products of special request can be made according to the customer request.

● 丝杆规格

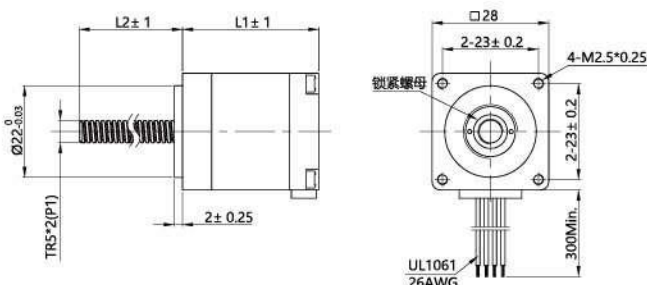
(Screw rod Specification)

丝杆直径 Screw Diameter (mm)	丝杆导程 Screw Lead (mm)	丝杆螺距 Screw Pitch (mm)	步长 Travel per step (mm)	丝杆直径 Screw Diameter (mm)	丝杆导程 Screw Lead (mm)	丝杆螺距 Screw Pitch (mm)	步长 Travel per step (mm)
Tr4.77	0.635	0.635	0.003	Tr6	4	1	0.02
	1.27	1.27	0.006		6	1	0.03
	2.54	1.27	0.013		12	1.5	0.06
	5.08	1.27	0.025		1.27	1.27	0.006
	10.16	1.27	0.051		1.5875	1.5875	0.008
Tr5	1	1	0.005	Tr6.35	3.175	1.5875	0.016
	2	1	0.01		6.35	1.5875	0.032
	4	1	0.02		12.7	1.5875	0.064
	8	1	0.04		2	2	0.01
Tr5.56	0.6096	0.6096	0.003	Tr8	4	2	0.02
	4.8768	1.2192	0.024		8	2	0.04
TR6	1	1	0.005		12	2	0.06

● 电机外型图

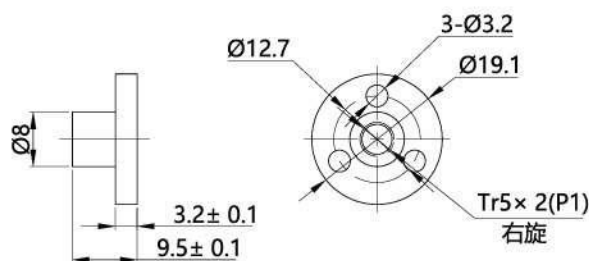
(Dimensions)

(单位 / Unit=mm)



● 螺母图纸

(Nut)



1.8° 35mm T型丝杠外部驱动式直线步进电机

1.8° 35mm External Linear stepper motor (T-type)

直线型步进电机

Linear Stepper motor

基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选件 Options



电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	g.cm	No.	g.cm	g.cm ²	Kg
JK35HST28-0504	1.8	28	0.5	20	14	1000	4	80	11	0.13
JK35HST34-1004	1.8	34	1	2.7	4.3	1400	4	100	13	0.17
JK35HST42-1004	1.8	42	1	3.8	3.5	2000	4	125	23	0.22

以上仅为代表产品, 特殊要求产品可根据客户要求订制。

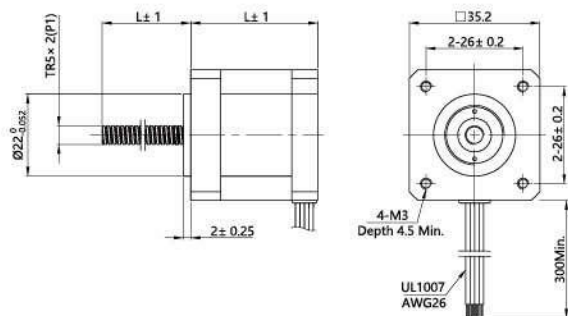
Above only for representative products, products of special request can be made according to the customer request.

丝杆规格 (Screw rod Specification)

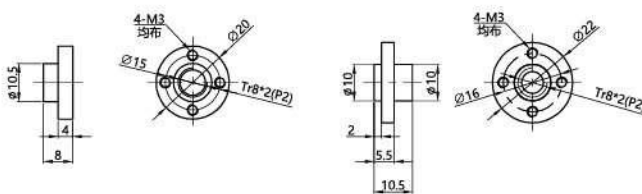
丝杆直径 Screw Diameter (mm)	丝杆导程 Screw Lead (mm)	丝杆螺距 Screw Pitch (mm)	步长 Travel per step (mm)	丝杆直径 Screw Diameter (mm)	丝杆导程 Screw Lead (mm)	丝杆螺距 Screw Pitch (mm)	步长 Travel per step (mm)
Tr5	1	1	0.005	Tr8	0.5	0.5	0.0025
	2	1	0.01		2	2	0.01
Tr6	2	1	0.01		4	2	0.02
	4	1	0.02		8	2	0.04
	6	1	0.03		12	2	0.06
	12	2	0.06		20	2.5	0.1

电机外型图 (Dimensions)

(单位 / Unit=mm)



螺母图纸 (Nut)



1.8° 42mm T型丝杠外部驱动式直线步进电机

1.8° 42mm External Linear stepper motor (T-type)

直线型步进电机

Linear Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选件 Options



接插件



齿轮箱



编码器



刹车



一体机

● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle (°)	长度 Motor Length (L)mm	电流 Current /Phase A	电阻 Resistance /Phase Ω	电感 Inductance /Phase mH	静转矩 Holding Torque kg.cm	引线数 # of Leads No.	定位转矩 Detent Torque g.cm	转子惯量 Rotor Inertia g.cm ²	重量 Weight Kg
JK42HST34-1334	1.8	34	1.33	2.1	2.5	2.6	4	120	34	0.22
JK42HST40-1704	1.8	40	1.7	1.5	2.3	4.2	4	150	54	0.28
JK42HST48-1684	1.8	48	1.68	1.65	2.8	5.5	4	260	68	0.38
JK42HST60-1704	1.8	60	1.7	3	6.2	7.3	4	280	102	0.55

以上仅为代表产品, 特殊要求产品可根据客户要求订制。

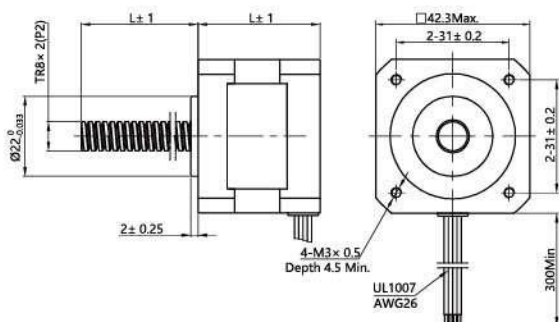
Above only for representative products, products of special request can be made according to the customer request.

● 丝杆规格 (Screw rod Specification)

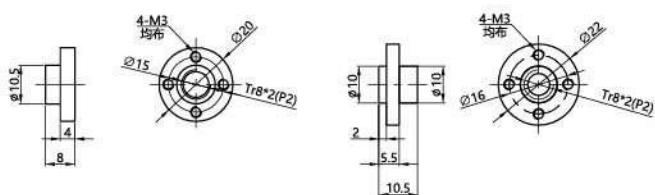
丝杆直径 Screw Diameter (mm)	丝杆导程 Screw Lead (mm)	丝杆螺距 Screw Pitch (mm)	步长 Travel per step (mm)	丝杆直径 Screw Diameter (mm)	丝杆导程 Screw Lead (mm)	丝杆螺距 Screw Pitch (mm)	步长 Travel per step (mm)
Tr5	1	1	0.005	Tr8	8	2	0.04
	2	1	0.01		10	2	0.05
	2	1	0.01		12	2	0.06
Tr6	4	1	0.02		14	2	0.07
	6	1	0.03		2	2	0.01
	12	2	0.06	Tr10	3	1.5	0.015
Tr8	1	1	0.005		4	2	0.02
	2	2	0.01		8	2	0.04
	3	1.5	0.015		10	2	0.05
	4	2	0.02		12	2	0.06

● 电机外型图 (Dimensions)

(单位 / Unit=mm)



● 螺母图纸 (Nut)



1.8° 57mm T型丝杠外部驱动式直线步进电机

1.8° 57mm External Linear stepper motor (T-type)

直线型步进电机

Linear Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	75N (20mm from the flange)
最大轴向压力	Max. axial force	15N



选件 Options



● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle (°)	长度 Motor Length (L)mm	电流 Current /Phase A	电阻 Resistance /Phase Ω	电感 Inductance /Phase mH	静转矩 Holding Torque N.m	引线数 # of Leads No.	定位转矩 Detent Torque g.cm	转子惯量 Rotor Inertia g.cm ²	重量 Weight Kg
JK57HST41-2804	1.8	41	2.8	0.7	1.4	0.55	4	250	150	0.47
JK57HST51-2804	1.8	51	2.8	0.83	2.2	1	4	300	230	0.59
JK57HST56-2804	1.8	56	2.8	0.9	3	1.2	4	350	280	0.68
JK57HST76-2804	1.8	76	2.8	1.1	3.6	1.89	4	600	440	1.1
JK57HST82-3004	1.8	82	3	1.2	4	2.1	4	1000	600	1.1
JK57HST100-3004	1.8	100	3	0.75	3	2.8	4	1100	700	1.3
JK57HST112-3004	1.8	112	3	1.6	7.5	3	4	1200	800	1.4

以上仅为代表产品，特殊要求产品可根据客户要求订制。

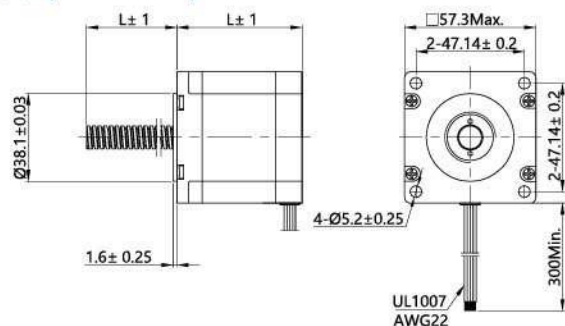
Above only for representative products, products of special request can be made according to the customer request.

● 丝杆规格 (Screw rod Specification)

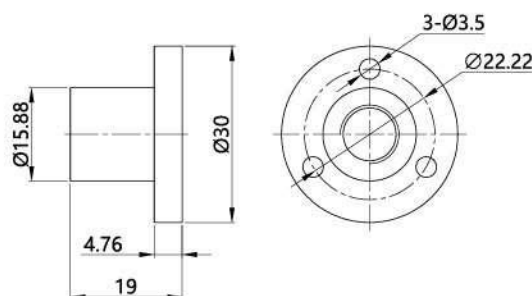
丝杆直径 Screw Diameter (mm)	丝杆导程 Screw Lead (mm)	丝杆螺距 Screw Pitch (mm)	步长 Travel per step (mm)	丝杆直径 Screw Diameter (mm)	丝杆导程 Screw Lead (mm)	丝杆螺距 Screw Pitch (mm)	步长 Travel per step (mm)
Tr8	0.5	0.5	0.0025	Tr9.525	0.635	0.635	0.003175
	2	2	0.01		1.27	1.27	0.00635
	4	2	0.02		1.5875	1.5875	0.0079375
	8	2	0.04		2.54	2.54	0.0127
	12	2	0.06		5.08	2.54	0.0254
	20	2.5	0.1		6.35	3.175	0.03175
Tr10	2	2	0.01		10.16	1.12	0.0508
	4	2	0.02		12.7	3.175	0.0635
	10	2	0.05		25.4	3.175	0.127
	12	3	0.06				

● 电机外型图 (Dimensions)

(单位 / Unit=mm)



● 螺母图纸 (Nut)



1.8° 28mm 滚珠丝杠外部驱动式直线步进电机
1.8° 28mm External Linear stepper motor (Ball Screw)

直线型步进电机
Linear Stepper motor

基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选件 Options



电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	g.cm	No.	g.cm ²	Kg
JK28HSB32-0674	1.8	32	0.67	5.6	3.4	600	4	9	0.11
JK28HSB45-0674	1.8	45	0.67	6.8	4.9	950	4	12	0.14
JK28HSB51-0674	1.8	51	0.67	9.2	7.2	1200	4	18	0.2

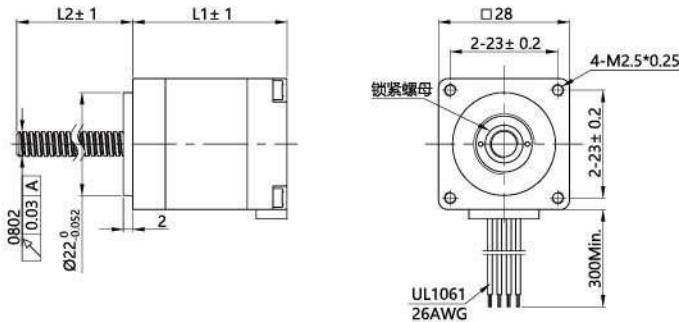
以上仅为代表产品，特殊要求产品可根据客户要求订制。
Above only for representative products, products of special request can be made according to the customer request.

丝杆规格 (Screw rod Specification)

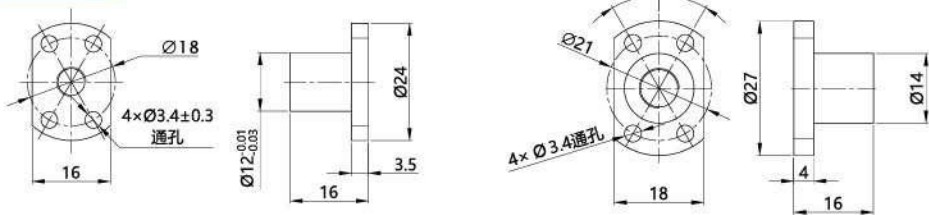
型号 Model No.	外径 outside diameter	导程 lead	头数 Head count	球径 Spherical diameter
G0801	8	1	1	0.8
G0802	8	2	1	1.2

电机外型图 (Dimensions)

(单位 / Unit=mm)



螺母图纸 (Nut)



1.8° 42mm 滚珠丝杠外部驱动式直线步进电机 1.8° 42mm External Linear stepper motor (Ball Screw)

直线型步进电机 Linear Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选件 Options



● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	kg.cm	No.	g.cm	g.cm ²	Kg
JK42HSB34-1334	1.8	34	1.33	2.1	2.5	2.6	4	120	34	0.22
JK42HSB40-1704	1.8	40	1.7	1.5	2.3	4.2	4	150	54	0.28
JK42HSB48-1684	1.8	48	1.68	1.65	2.8	5.5	4	260	68	0.38
JK42HSB60-1704	1.8	60	1.7	3	6.2	7.3	4	280	102	0.55

以上仅为代表产品, 特殊要求产品可根据客户要求订制。

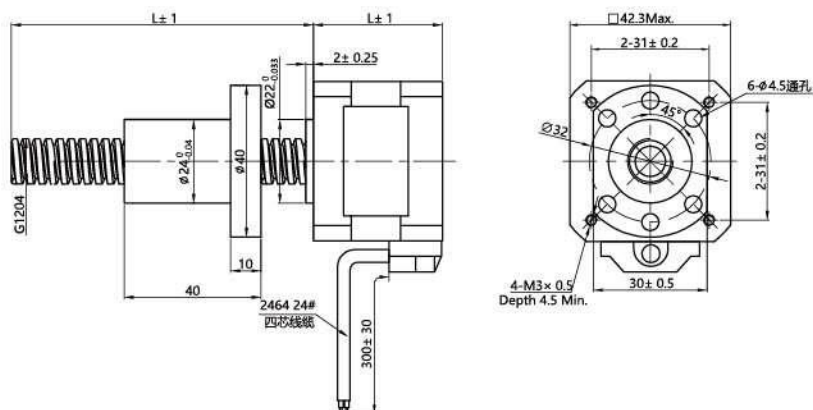
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● 丝杆规格 (Screw rod Specification)

型号 Model No.	外径 outside diameter	导程 lead	头数 Head count	球径 Spherical diameter
G0801	8	1	1	0.8
G0802	8	2	1	1.2
G1002	10	2	1	1.2
G1004	10	4	1	2
G1202	12	2	1	1.2
G1204	12	4	1	2.5
G1604	16	4	1	2.381

● 电机外型图 (Dimensions)

(单位 / Unit=mm)



1.8° 57mm 滚珠丝杠外部驱动式直线步进电机
1.8° 57mm External Linear stepper motor (Ball Screw)

直线型步进电机
Linear Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	75N (20mm from the flange)
最大轴向压力	Max. axial force	15N



选件 Options



● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	N.m	No.	g.cm	g.cm ²	Kg
JK57HSB41-2804	1.8	41	2.8	0.7	1.4	0.55	4	250	150	0.47
JK57HSB51-2804	1.8	51	2.8	0.83	2.2	1	4	300	230	0.59
JK57HSB56-2804	1.8	56	2.8	0.9	3	1.2	4	350	280	0.68
JK57HSB76-2804	1.8	76	2.8	1.1	3.6	1.89	4	600	440	1.1
JK57HSB82-3004	1.8	82	3	1.2	4	2.1	4	1000	600	1.1
JK57HSB100-3004	1.8	100	3	0.75	3	2.8	4	1100	700	1.3
JK57HSB112-3004	1.8	112	3	1.6	7.5	3	4	1200	800	1.4

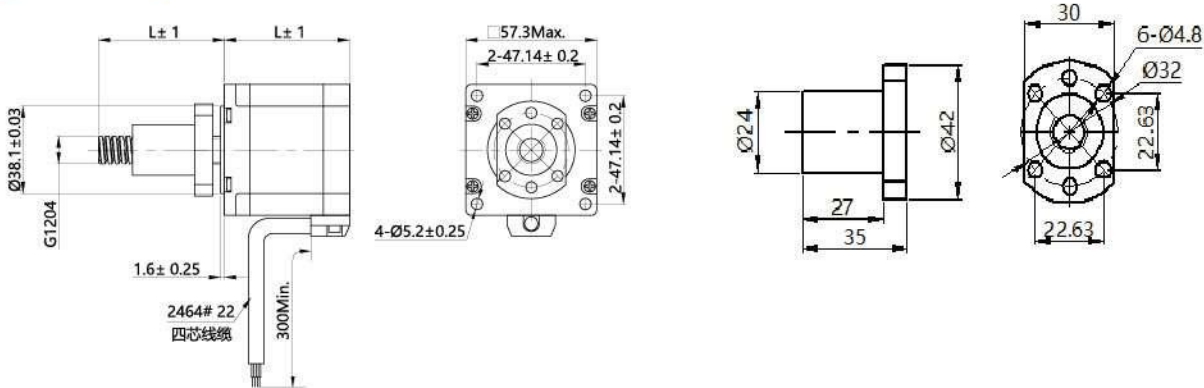
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Above only for representative products, products of special request can be made according to the customer request.

● 丝杆规格 (Screw rod Specification)

型号 Model No.	外径 outside diameter	导程 lead	头数 Head count	球径 Spherical diameter
G0801	8	1	1	0.8
G0802	8	2	1	1.2
G1002	10	2	1	1.2
G1004	10	4	1	2
G1202	12	2	1	1.2
G1204	12	4	1	2.5
G1604	16	4	1	2.381

● 电机外型图 (Dimensions)

(单位 / Unit=mm)



1.8° 20mm 贯穿式直线步进电机
1.8° 20mm Non-Captive Linear Stepper Motor

直线型步进电机
Linear Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选件 Options



接插件

● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	mN.m	No.	mN.m	g.cm ²	Kg
JK20HSC30-0604	1.8	30	0.6	6.5	1.7	18	4	2	2	0.05
JK20HSC38-0604	1.8	38	0.6	9	3	22	4	4	3	0.08

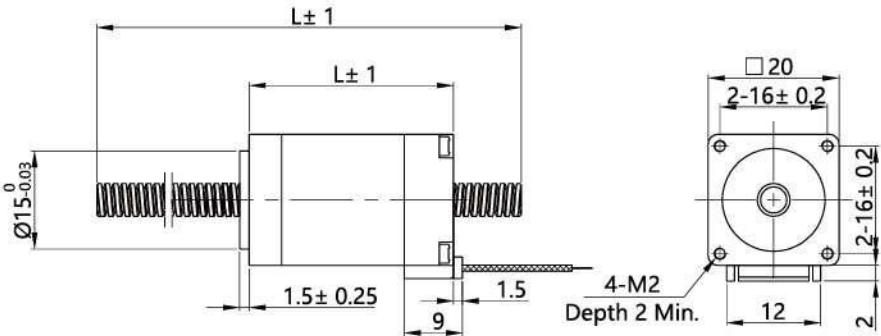
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● 丝杆规格 (Screw rod Specification)

丝杆直径 Screw Diameter (mm)	丝杆导程 Screw Lead (mm)	丝杆螺距 Screw Pitch (mm)	步长 Travel per step (mm)	丝杆直径 Screw Diameter (mm)	丝杆导程 Screw Lead (mm)	丝杆螺距 Screw Pitch (mm)	步长 Travel per step (mm)
3.5	0.06096	0.06096	0.0003048	3.5	2.43	1.2192	0.01215
	1	1	0.005		2.43	0.6096	0.01215
	2	1	0.01		4	1	0.02

● 电机外型图 (Dimensions)

(单位 / Unit=mm)



1.8° 28mm 贯穿式直线步进电机
1.8° 28mm Non-Captive Linear Stepper Motor

直线型步进电机
Linear Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选件 Options



接插件

● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	g.cm	No.	g.cm ²	Kg
JK28HSC32-0674	1.8	32	0.67	5.6	3.4	600	4	9	0.11
JK28HSC45-0674	1.8	45	0.67	6.8	4.9	950	4	12	0.14
JK28HSC51-0674	1.8	51	0.67	9.2	7.2	1200	4	18	0.2

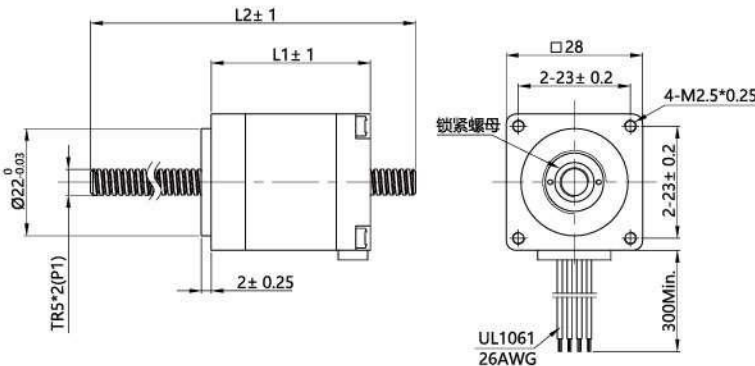
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● 丝杆规格 (Screw rod Specification)

丝杆直径 Screw Diameter (mm)	丝杆导程 Screw Lead (mm)	丝杆螺距 Screw Pitch (mm)	步长 Travel per step (mm)
Tr4.77	0.635	0.635	0.003
	1.27	1.27	0.006
	2.54	1.27	0.013
	5.08	1.27	0.025
	10.16	1.27	0.051

● 电机外型图 (Dimensions)

(单位 / Unit=mm)



1.8° 35mm 贯穿式直线步进电机
1.8° 35mm Non-Captive Linear Stepper Motor

直线型步进电机
Linear Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min., 500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选件 Options



接插件

● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	g.cm	No.	g.cm	g.cm ²	Kg
JK35HSC28-0504	1.8	28	0.5	20	14	1000	4	80	11	0.13
JK35HSC34-1004	1.8	34	1	2.7	4.3	1400	4	100	13	0.17
JK35HSC42-1004	1.8	42	1	3.8	3.5	2000	4	125	23	0.22

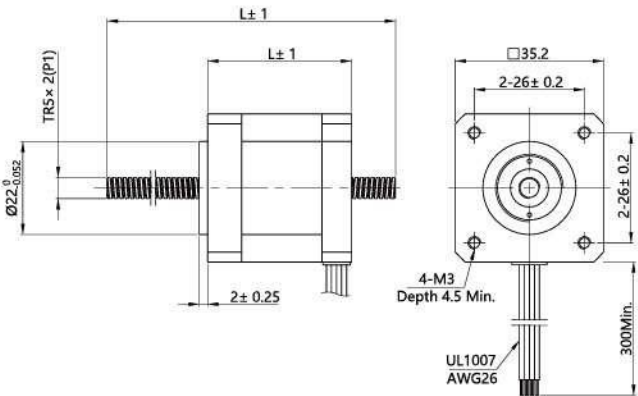
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● 丝杆规格 (Screw rod Specification)

丝杆直径 Screw Diameter (mm)	丝杆导程 Screw Lead (mm)	丝杆螺距 Screw Pitch (mm)	步长 Travel per step (mm)	丝杆直径 Screw Diameter (mm)	丝杆导程 Screw Lead (mm)	丝杆螺距 Screw Pitch (mm)	步长 Travel per step (mm)
Tr5	1	1	0.005	Tr8	0.5	0.5	0.0025
	2	1	0.01		2	2	0.01
Tr6	2	1	0.01		4	2	0.02
	4	1	0.02		8	2	0.04
	6	1	0.03		12	2	0.06
	12	2	0.06		20	2.5	0.1

● 电机外型图 (Dimensions)

(单位 / Unit=mm)



1.8° 42mm 贯穿式直线步进电机
1.8° 42mm Non-Captive Linear Stepper Motor

直线型步进电机
Linear Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选件 Options



接插件

● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	kg.cm	No.	g.cm	g.cm ²	Kg
JK42HSC34-1334	1.8	34	1.33	2.1	2.5	2.6	4	120	34	0.22
JK42HSC40-1704	1.8	40	1.7	1.5	2.3	4.2	4	150	54	0.28
JK42HSC48-1684	1.8	48	1.68	1.65	2.8	5.5	4	260	68	0.38
JK42HSC60-1704	1.8	60	1.7	3	6.2	7.3	4	280	102	0.55

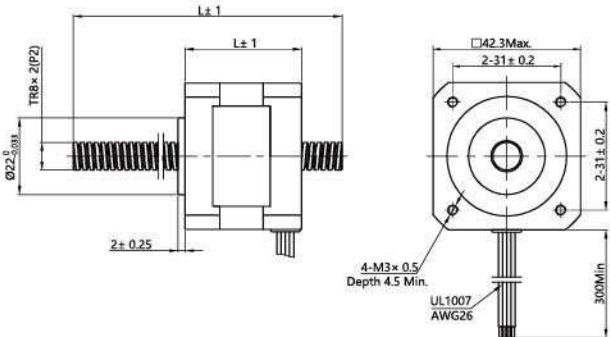
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● 丝杆规格 (Screw rod Specification)

丝杆直径 Screw Diameter (mm)	丝杆导程 Screw Lead (mm)	丝杆螺距 Screw Pitch (mm)	步长 Travel per step (mm)	丝杆直径 Screw Diameter (mm)	丝杆导程 Screw Lead (mm)	丝杆螺距 Screw Pitch (mm)	步长 Travel per step (mm)
Tr5	1	1	0.005	Tr8	8	2	0.04
	2	1	0.01		10	2	0.05
Tr6	2	1	0.01		12	2	0.06
	4	1	0.02		14	2	0.07
	6	1	0.03	Tr10	2	2	0.01
	12	2	0.06		3	1.5	0.015
Tr8	1	1	0.005		4	2	0.02
	2	2	0.01		8	2	0.04
	3	1.5	0.015		10	2	0.05
	4	2	0.02		12	2	0.06

● 电机外型图 (Dimensions)

(单位 / Unit=mm)



1.8° 57mm 贯穿式直线步进电机
1.8° 57mm Non-Captive Linear Stepper Motor

直线型步进电机
Linear Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	75N (20mm from the flange)
最大轴向压力	Max. axial force	15N



选件 Options



接插件

● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	N.m	No.	g.cm	g.cm ²	Kg
JK57HSC41-2804	1.8	41	2.8	0.7	1.4	0.55	4	250	150	0.47
JK57HSC51-2804	1.8	51	2.8	0.83	2.2	1	4	300	230	0.59
JK57HSC56-2804	1.8	56	2.8	0.9	3	1.2	4	350	280	0.68
JK57HSC76-2804	1.8	76	2.8	1.1	3.6	1.89	4	600	440	1.1
JK57HSC82-3004	1.8	82	3	1.2	4	2.1	4	1000	600	1.1
JK57HSC100-3004	1.8	100	3	0.75	3	2.8	4	1100	700	1.3
JK57HSC112-3004	1.8	112	3	1.6	7.5	3	4	1200	800	1.4

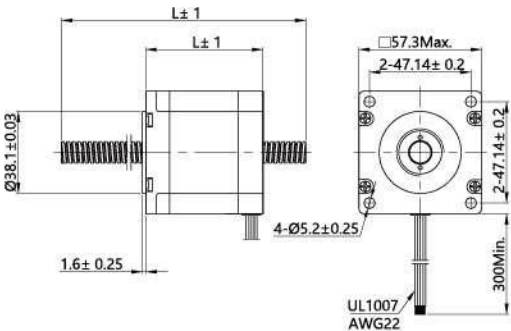
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Above only for representative products, products of special request can be made according to the customer request.

● 丝杆规格 (Screw rod Specification)

丝杆直径 Screw Diameter (mm)	丝杆导程 Screw Lead (mm)	丝杆螺距 Screw Pitch (mm)	步长 Travel per step (mm)	丝杆直径 Screw Diameter (mm)	丝杆导程 Screw Lead (mm)	丝杆螺距 Screw Pitch (mm)	步长 Travel per step (mm)
Tr8	0.5	0.5	0.0025	Tr9.525	0.635	0.635	0.003175
	2	2	0.01		1.27	1.27	0.00635
	4	2	0.02		1.5875	1.5875	0.0079375
	8	2	0.04		2.54	2.54	0.0127
	12	2	0.06		5.08	2.54	0.0254
	20	2.5	0.1		6.35	3.175	0.03175
Tr10	2	2	0.01		10.16	1.12	0.0508
	4	2	0.02		12.7	3.175	0.0635
	10	2	0.05		25.4	3.175	0.127
	12	3	0.06				

● 电机外型图 (Dimensions)

(单位 / Unit=mm)



1.8° 20mm 推杆式直线步进电机
1.8° 20mm Captive Linear Stepper Motor

直线型步进电机
Linear Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选件 Options



接插件

● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	g.cm	No.	mN.m	g.cm ²	Kg
JK20HSK30-0604	1.8	30	0.6	6.5	1.7	180	4	2	2	0.05
JK20HSK38-0604	1.8	38	0.6	9	3	220	4	4	3	0.08

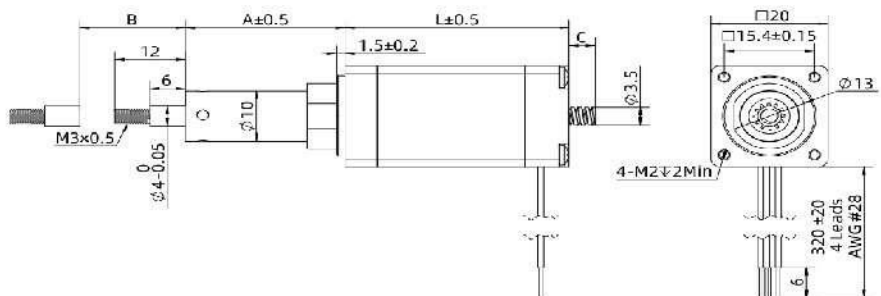
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● 尺寸规格 (Dimension)

尺寸A Size A	行程B Journey B	尺寸C Size C	
		L=27.2	L=38.1
10.9	9	0	0
14.6	12.7	3.5	0
20.8	19.05	9.5	0
27.3	25.4	15.5	4.5
37.3	31.8	22.5	11.5
40	38.1	28.5	17.5

● 电机外型图 (Dimensions)

(单位 / Unit=mm)



1.8° 28mm 推杆式直线步进电机
1.8° 28mm Captive Linear Stepper Motor

直线型步进电机
Linear Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选件 Options



接插件

● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	g.cm	No.	g.cm ²	Kg
JK28HSK32-0674	1.8	32	0.67	5.6	3.4	600	4	9	0.11
JK28HSK45-0674	1.8	45	0.67	6.8	4.9	950	4	12	0.14
JK28HSK51-0674	1.8	51	0.67	9.2	7.2	1200	4	18	0.2

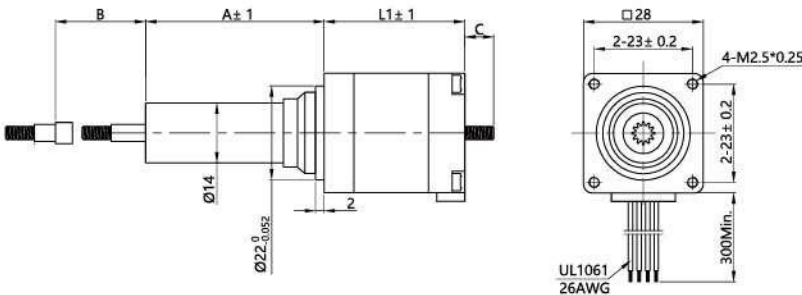
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Above only for representative products, products of special request can be made according to the customer request.

● 尺寸规格 (Dimension)

尺寸A Size A	行程B Journey B	尺寸C Size C	
		L1=32	L1=45
14.7	12.7	2.35	0
22.1	19.05	9.15	0
27.4	25.4	15.05	4.6
33.8	31.8	21.45	11
40.1	38.1	27.75	17.4
52.8	50.8	40.35	29.8
63.5	63.5	54.05	42.5

● 电机外型图 (Dimensions)

(单位 / Unit=mm)



1.8° 42mm 推杆式直线步进电机
1.8° 42mm Captive Linear Stepper Motor

直线型步进电机
Linear Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选件 Options



接插件

● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	kg.cm	No.	g.cm	g.cm ²	Kg
JK42HSK34-1334	1.8	34	1.33	2.1	2.5	2.6	4	120	34	0.22
JK42HSK40-1704	1.8	40	1.7	1.5	2.3	4.2	4	150	54	0.28
JK42HSK48-1684	1.8	48	1.68	1.65	2.8	5.5	4	260	68	0.38
JK42HSK60-1704	1.8	60	1.7	3	6.2	7.3	4	280	102	0.55

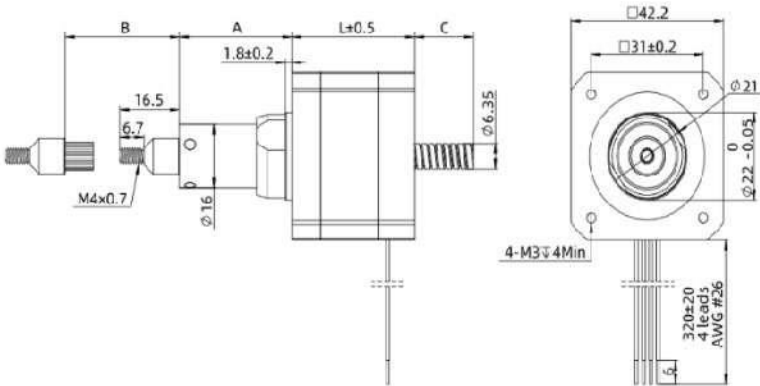
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● 尺寸规格 (Dimension)

尺寸A Size A	行程B Journey B	尺寸C Size C	
		L=34.1	L=48.1
18.5	12.7	3.6	0
24.85	19.05	9.95	4.95
31.2	25.4	16.8	11.3
37.55	31.75	22.65	17.65
43.9	38.1	29	24
56.6	50.8	41.7	36.7
69.3	63.5	54.4	49.4

● 电机外型图 (Dimensions)

(单位 / Unit=mm)



1.8° 57mm 推杆式直线步进电机
1.8° 57mm Captive Linear Stepper Motor

直线型步进电机
Linear Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	75N (20mm from the flange)
最大轴向压力	Max. axial force	15N



选件 Options



接插件

● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	N.m	No.	g.cm	g.cm ²	Kg
JK57HSK41-2804	1.8	41	2.8	0.7	1.4	0.55	4	250	150	0.47
JK57HSK51-2804	1.8	51	2.8	0.83	2.2	1	4	300	230	0.59
JK57HSK56-2804	1.8	56	2.8	0.9	3	1.2	4	350	280	0.68
JK57HSK76-2804	1.8	76	2.8	1.1	3.6	1.89	4	600	440	1.1
JK57HSK82-3004	1.8	82	3	1.2	4	2.1	4	1000	600	1.1
JK57HSK100-3004	1.8	100	3	0.75	3	2.8	4	1100	700	1.3
JK57HSK112-3004	1.8	112	3	1.6	7.5	3	4	1200	800	1.4

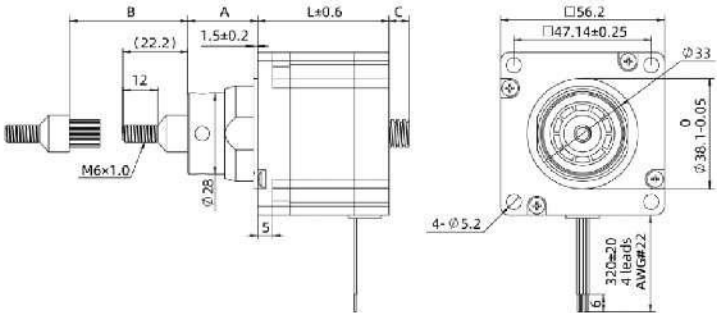
以上仅为代表产品，特殊要求产品可根据客户要求订制。
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● 尺寸规格 (Dimension)

尺寸A Size A	行程B Journey B	尺寸C Size C	
		L=45	L=65
24.2	12.7	5.8	0
30.55	19.05	11.65	1.65
36.9	25.4	18	8
43.25	31.75	24.35	14.35
49.6	38.1	30.7	20.7
62.3	50.8	43.9	33.4
75	63.5	56.1	46.1

● 电机外型图 (Dimensions)

(单位 / Unit=mm)



1.8° 20mm两相混合式步进电机
1.8°20mm 2phase hybrid stepper motor

空心轴电机
Hollow shaft Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选件 Options



接插件

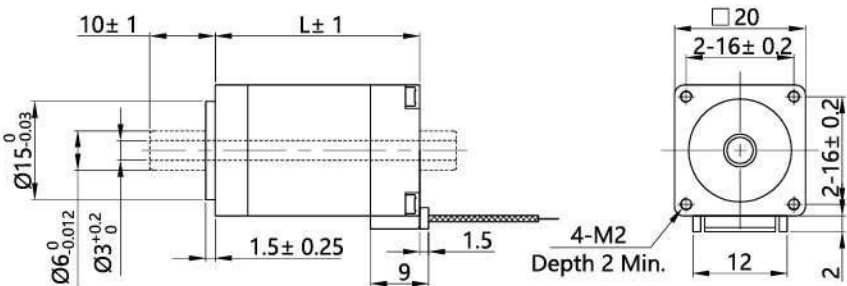
● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	g.cm	No.	mN.m	g.cm ²	Kg
JK20HSH30-0604	1.8	30	0.6	6.5	1.7	180	4	2	2	0.05
JK20HSH38-0604	1.8	38	0.6	9	3	220	4	4	3	0.08

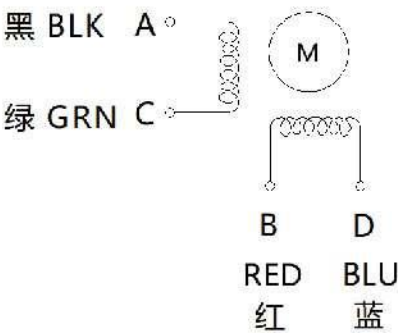
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● 电机外型图 (Dimensions)

(单位 / Unit=mm)



● 接线图 (Wiring Diagram)



1.8° 28mm两相混合式步进电机
1.8°28mm 2phase hybrid stepper motor

空心轴电机
Hollow shaft Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选件 Options



接插件

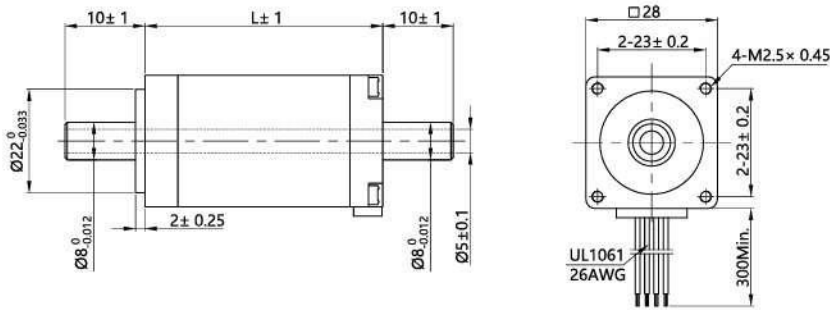
● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	g.cm	No.	g.cm ²	Kg
JK28HSH32-0674	1.8	32	0.67	5.6	3.4	600	4	9	0.11
JK28HSH45-0674	1.8	45	0.67	6.8	4.9	950	4	12	0.14
JK28HSH51-0674	1.8	51	0.67	9.2	7.2	1200	4	18	0.2

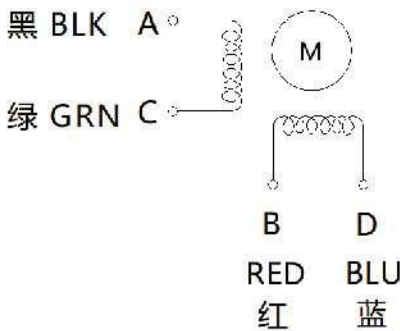
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● 电机外型图 (Dimensions)

(单位 / Unit=mm)



● 接线图 (Wiring Diagram)



1.8° 35mm两相混合式步进电机
1.8°35mm 2phase hybrid stepper motor

空心轴电机
Hollow shaft Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选件 Options



接插件

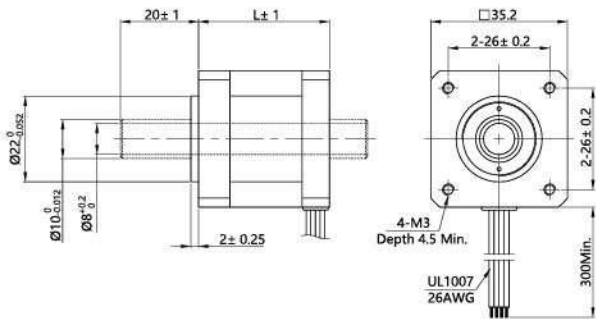
● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	g.cm	No.	g.cm	g.cm ²	Kg
JK35HSH28-0504	1.8	28	0.5	20	14	1000	4	80	11	0.13
JK35HSH34-1004	1.8	34	1	2.7	4.3	1400	4	100	13	0.17
JK35HSH42-1004	1.8	42	1	3.8	3.5	2000	4	125	23	0.22

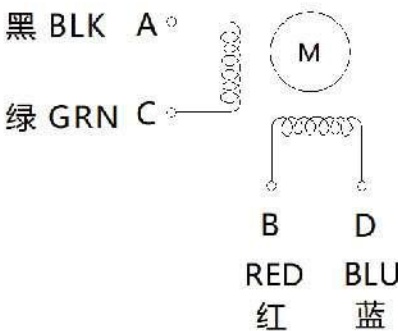
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● 电机外型图 (Dimensions)

(单位 / Unit=mm)



● 接线图 (Wiring Diagram)



1.8° 42mm两相混合式步进电机
1.8°42mm 2phase hybrid stepper motor

空心轴电机
Hollow shaft Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选件 Options



接插件

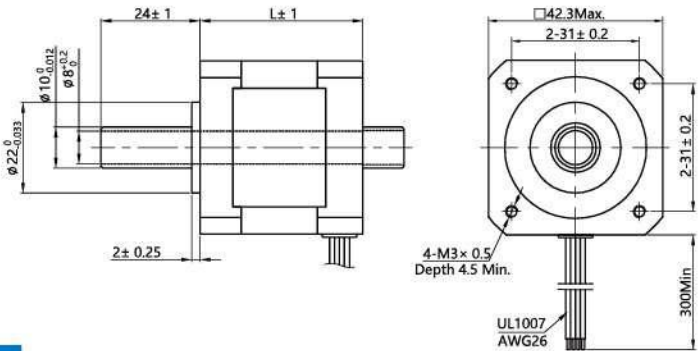
● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	kg.cm	No.	g.cm	g.cm ²	Kg
JK42HSH34-1334	1.8	34	1.33	2.1	2.5	2.6	4	120	34	0.22
JK42HSH40-1704	1.8	40	1.7	1.5	2.3	4.2	4	150	54	0.28
JK42HSH48-1684	1.8	48	1.68	1.65	2.8	5.5	4	260	68	0.38
JK42HSH60-1704	1.8	60	1.7	3	6.2	7.3	4	280	102	0.55

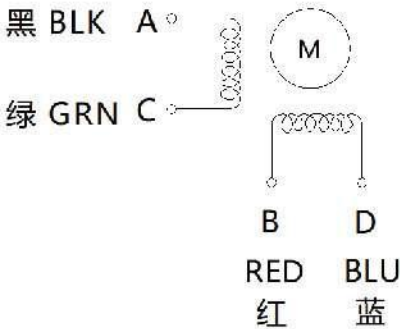
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● 电机外型图 (Dimensions)

(单位 / Unit=mm)



● 接线图 (Wiring Diagram)



1.8° 57mm两相混合式步进电机
1.8°57mm 2phase hybrid stepper motor

空心轴电机
Hollow shaft Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	75N (20mm from the flange)
最大轴向压力	Max. axial force	15N



选件 Options



接插件

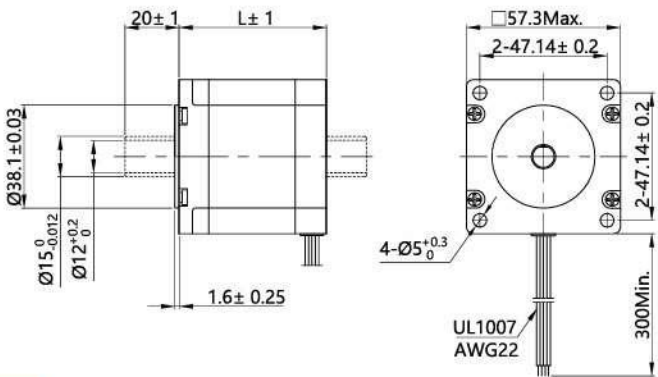
● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	N.m	No.	g.cm	g.cm ²	Kg
JK57HSH41-2804	1.8	41	2.8	0.7	1.4	0.55	4	250	150	0.47
JK57HSH51-2804	1.8	51	2.8	0.83	2.2	1	4	300	230	0.59
JK57HSH56-2804	1.8	56	2.8	0.9	3	1.2	4	350	280	0.68
JK57HSH76-2804	1.8	76	2.8	1.1	3.6	1.89	4	600	440	1.1
JK57HSH82-3004	1.8	82	3	1.2	4	2.1	4	1000	600	1.1
JK57HSH100-3004	1.8	100	3	0.75	3	2.8	4	1100	700	1.3
JK57HSH112-3004	1.8	112	3	1.6	7.5	3	4	1200	800	1.4

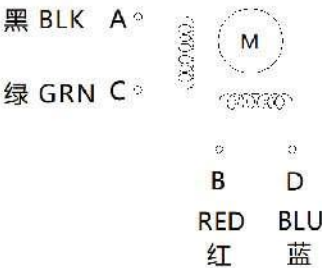
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● 电机外型图 (Dimensions)

(单位 / Unit=mm)



● 接线图 (Wiring Diagram)



1.8° 86mm两相混合式步进电机

1.8° 86mm 2phase hybrid stepper motor

空心轴电机

Hollow shaft Stepper motor

基本性能

(General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	220N (20mm from the flange)
最大轴向压力	Max. axial force	60N



选件 Options



接插件

电机规格

(Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	N.m	No.	g.cm	g.cm ²	Kg
JK86HSH78-6004	1.8	78	6	0.37	3.4	4.6	4	1200	1400	2.3
JK86HSH115-6004	1.8	115	6	0.6	6.5	8.7	4	2400	2700	3.8
JK86HSH126-6004	1.8	126	6	0.58	6.5	9.5	4	2900	3200	4.5
JK86HSH155-6004	1.8	155	6	0.68	9	13	4	3600	4000	5.4

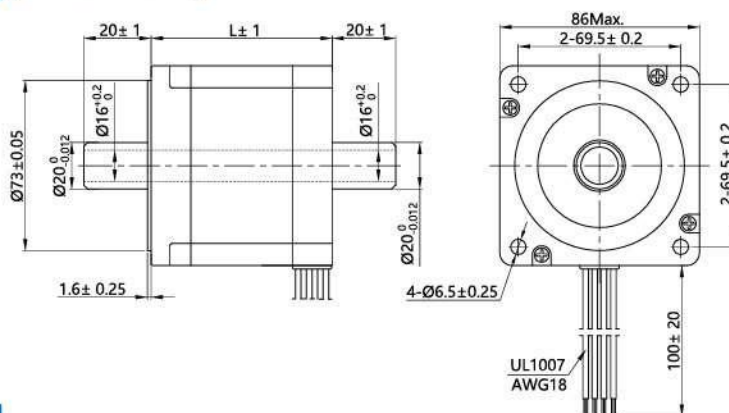
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电机外型图

(Dimensions)

(单位 / Unit=mm)

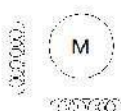


接线图

(Wiring Diagram)

黑 BLK A

绿 GRN C



B

RED

红

D

BLU

蓝

1.8° 28mm两相混合式步进电机
1.8° 28mm 2phase hybrid stepper motor

闭环步进电机
Closed loop Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选件 Options



接插件



齿轮箱



编码器



刹车

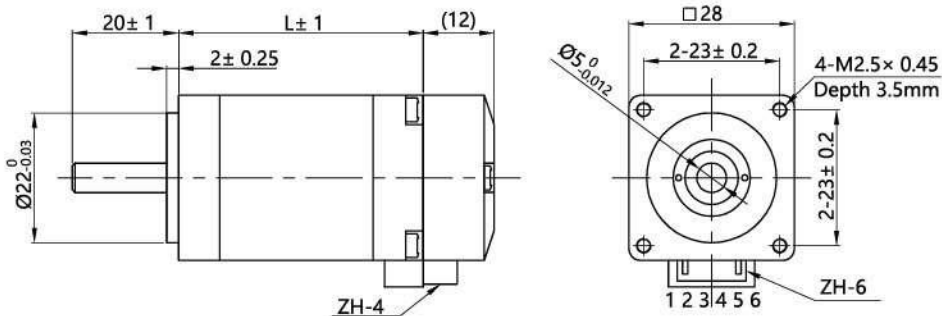
● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	g.cm	No.	g.cm ²	Kg
JK28HSN006	1.8	32	0.67	5.6	3.4	600	4	9	0.11
JK28HSN009	1.8	45	0.67	6.8	4.9	950	4	12	0.14
JK28HSN012	1.8	51	0.67	9.2	7.2	1200	4	18	0.2

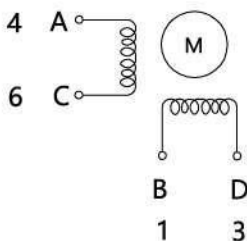
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Above only for representative products, products of special request can be made according to the customer request.

● 电机外型图 (Dimensions)

(单位 / Unit=mm)



● 接线图 (Wiring Diagram)



TTL 电压输出	ZH-4 Pin No.针位
Encoder Voltage(+5V)	2
Encoder Grand(0V)	3
Encoder A+ phase output	4
Encoder B+ phase output	1

1.8° 42mm两相混合式步进电机

1.8° 42mm 2phase hybrid stepper motor

闭环步进电机

Closed loop Stepper motor

● 基本性能

(General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选件 Options



接插件



齿轮箱



编码器



刹车

● 电机规格

(Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	kg.cm	No.	mN.m	g.cm ²	Kg
JK42HSN05	1.8	48	1.68	1.65	2.8	4.4	4	260	68	0.38
JK42HSN07	1.8	60	1.7	3	6.2	7.3	4	280	102	0.55

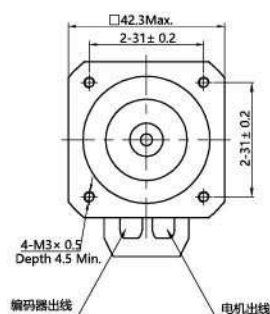
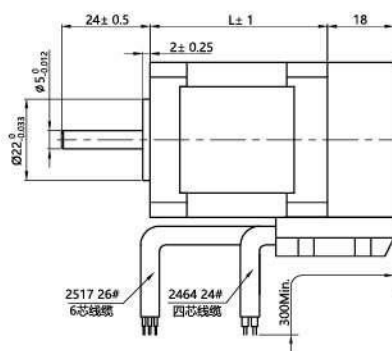
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Above only for representative products, products of special request can be made according to the customer request.

● 电机外型图

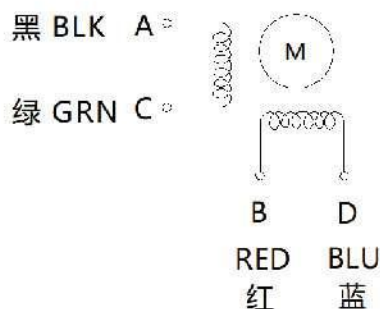
(Dimensions)

(单位 / Unit=mm)



● 接线图

(Wiring Diagram)



编码器连接引线颜色

Encoder Wiring Diagram

EA+	Encoder A phase input+	BLACK 黑
EA-	Encoder A phase input-	BLUE 蓝
EB+	Encoder B phase input+	YELLOW 黄
EB-	Encoder B phase input-	GREEN 绿
Vcc	Encoder Voltage(+5V)	RED 红
EGND	Encoder Grand(0V)	WHITE 白

1.8° 57mm两相混合式步进电机
1.8° 57mm 2phase hybrid stepper motor

闭环步进电机
Closed loop Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	75N (20mm from the flange)
最大轴向压力	Max. axial force	15N



选件 Options



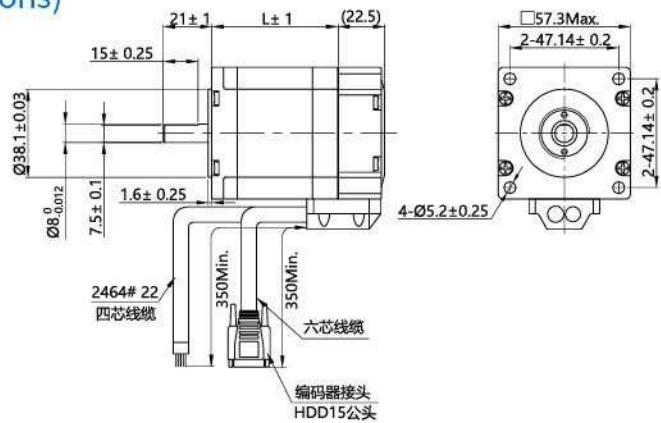
● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	N.m	No.	g.cm	g.cm ²	Kg
JK57HSN12	1.8	56	4.2	0.4	1.5	1.2	4	350	280	0.68
JK57HSN21	1.8	76	4.2	0.6	2	2.1	4	600	440	1.1
JK57HSN30	1.8	112	4.2	0.9	4	3	4	1200	800	1.4

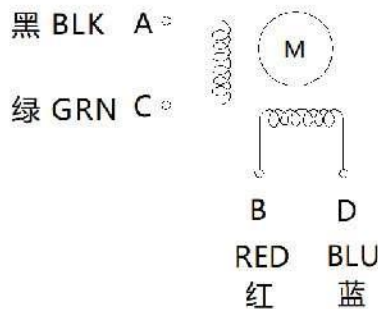
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● 电机外型图 (Dimensions)

(单位 / Unit=mm)



● 接线图 (Wiring Diagram)



编码器连接器引线颜色

Encoder Wiring Diagram

EA+	Encoder A phase input+	BLACK 黑
EA-	Encoder A phase input-	BLUE 蓝
EB+	Encoder B phase input+	YELLOW 黄
EB-	Encoder B phase input-	GREEN 绿
Vcc	Encoder Voltage(+5V)	RED 红
EGND	Encoder Grand(0V)	WHITE 白

1.8° 60mm两相混合式步进电机

1.8° 60mm 2phase hybrid stepper motor

闭环步进电机

Closed loop Stepper motor

基本性能

(General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	75N (20mm from the flange)
最大轴向压力	Max. axial force	15N



选件 Options



电机规格

(Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	N.m	No.	g.cm	g.cm ²	Kg
JK60HSN30	1.8	100	4	0.65	2.4	3	4	1100	980	1.7
JK60HSN40	1.8	111	4	0.7	3	4	4	1200	1120	1.9

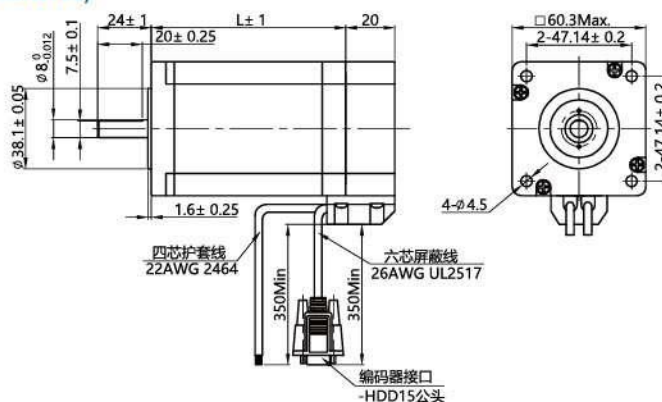
以上仅为代表产品，特殊要求产品可根据客户要求订制。

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电机外型图

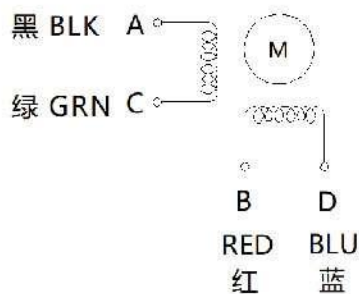
(Dimensions)

(单位 / Unit=mm)



接线图

(Wiring Diagram)



编码器连接器引线颜色

Encoder Wiring Diagram

EA+	Encoder A phase input+	BLACK 黑
EA-	Encoder A phase input-	BLUE 蓝
EB+	Encoder B phase input+	YELLOW 黄
EB-	Encoder B phase input-	GREEN 绿
Vcc	Encoder Voltage(+5V)	RED 红
EGND	Encoder Grand(0V)	WHITE 白

1.8° 86mm两相混合式步进电机
1.8° 86mm 2phase hybrid stepper motor

闭环步进电机
Closed loop Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	220N (20mm from the flange)
最大轴向压力	Max. axial force	60N



选件 Options



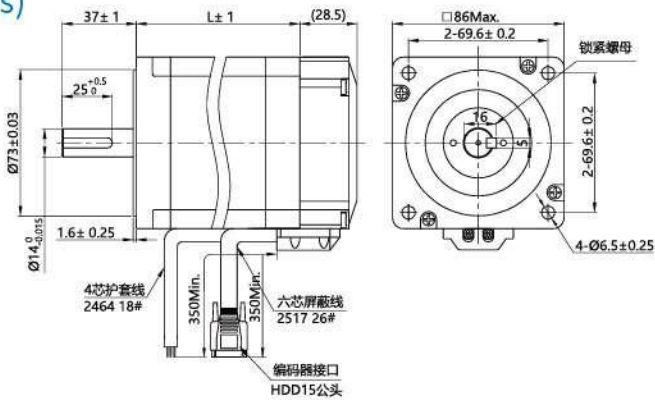
● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	N.m	No.	g.cm	g.cm ²	Kg
JK86HSN45	1.8	78	6	0.27	2	4.5	4	1200	1400	2.5
JK86HSN85	1.8	115	6	0.36	3.8	8.5	4	2400	2700	3
JK86HSN120	1.8	155	6	0.44	3.8	12	4	3600	4000	5.5

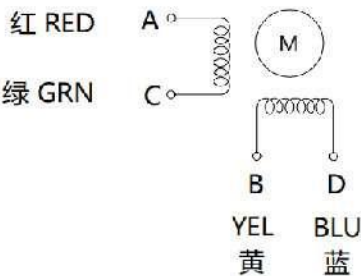
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Above only for representative products, products of special request can be made according to the customer request.

● 电机外型图 (Dimensions)

(单位 / Unit=mm)



● 接线图 (Wiring Diagram)



编码器连接器引线颜色

Encoder Wiring Diagram

EA+	Encoder A phase input+	BLACK 黑
EA-	Encoder A phase input-	BLUE 蓝
EB+	Encoder B phase input+	YELLOW 黄
EB-	Encoder B phase input-	GREEN 绿
Vcc	Encoder Voltage(+5V)	RED 红
EGND	Encoder Grand(0V)	WHITE 白

1.8° 42mm两相混合式步进电机
1.8° 42mm 2phase hybrid stepper motor

防水型步进电机
Waterproof Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选件 Options



齿轮箱



编码器



刹车

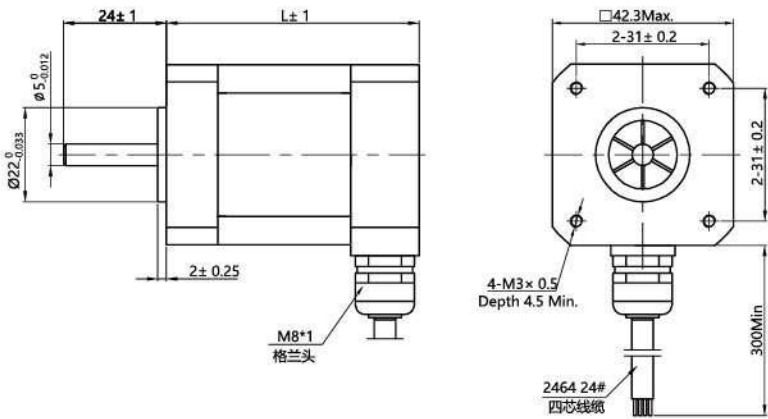
● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle (°)	长度 Motor Length (L)mm	电流 Current /Phase A	电阻 Resistance /Phase Ω	电感 Inductance /Phase mH	静转矩 Holding Torque kg.cm	引线数 # of Leads No.	定位转矩 Detent Torque g.cm	转子惯量 Rotor Inertia g.cm ²	重量 Weight Kg	防水等级 Waterproof level
JK42HSW34-1334	1.8	34	1.33	2.1	2.5	2.6	4	120	34	0.22	IP65
JK42HSW40-1704	1.8	40	1.7	1.5	2.3	4.2	4	150	54	0.28	
JK42HSW48-1684	1.8	48	1.68	1.65	2.8	5.5	4	260	68	0.38	
JK42HSW60-1704	1.8	60	1.7	3	6.2	7.3	4	280	102	0.55	

以上仅为代表产品，特殊要求产品可根据客户要求订制。
Above only for representative products, products of special request can be made according to the customer request.

● 电机外型图 (Dimensions)

(单位 / Unit=mm)



1.8° 57mm两相混合式步进电机
1.8° 57mm 2phase hybrid stepper motor

防水型步进电机
Waterproof Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	75N (20mm from the flange)
最大轴向压力	Max. axial force	15N



选件 Options



齿轮箱



编码器



刹车

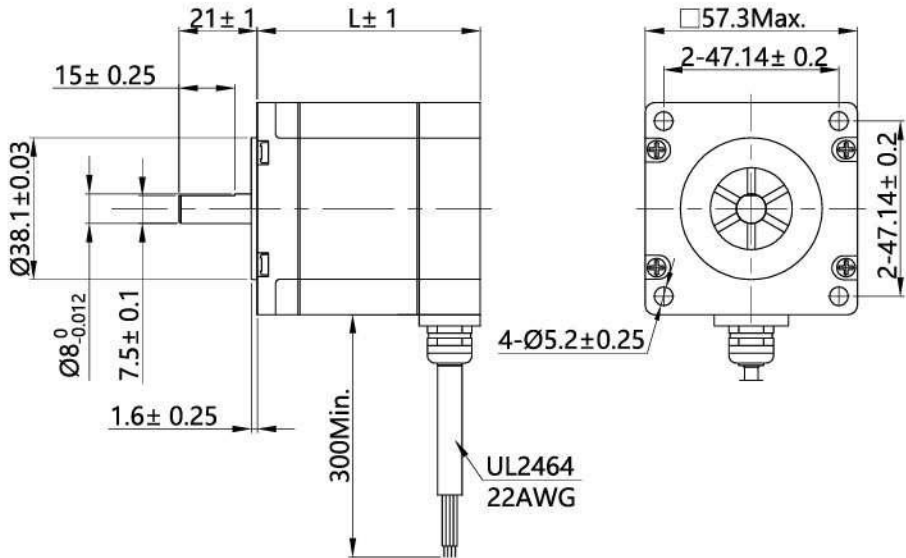
● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight	防水等级 Waterproof level
	(°)	(L)mm	A	Ω	mH	N.m	No.	g.cm	g.cm ²	Kg	
JK57HSW51-2804	1.8	51	2.8	0.83	2.2	1	4	300	230	0.59	IP65
JK57HSW56-2804	1.8	56	2.8	0.9	3	1.2	4	350	280	0.68	
JK57HSW76-2804	1.8	76	2.8	1.1	3.6	1.89	4	600	440	1.1	
JK57HSW82-3004	1.8	82	3	1.2	4	2.1	4	1000	600	1.1	
JK57HSW100-3004	1.8	100	3	0.75	3	2.8	4	1100	700	1.3	
JK57HSW112-3004	1.8	112	3	1.6	7.5	3	4	1200	800	1.4	

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● 电机外型图 (Dimensions)

(单位 / Unit=mm)



1.8° 86mm两相混合式步进电机

1.8° 86mm 2phase hybrid stepper motor

防水型步进电机

Waterproof Stepper motor

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	220N (20mm from the flange)
最大轴向压力	Max. axial force	60N



选件 Options



齿轮箱



编码器



刹车

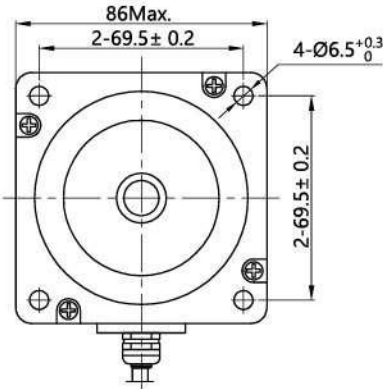
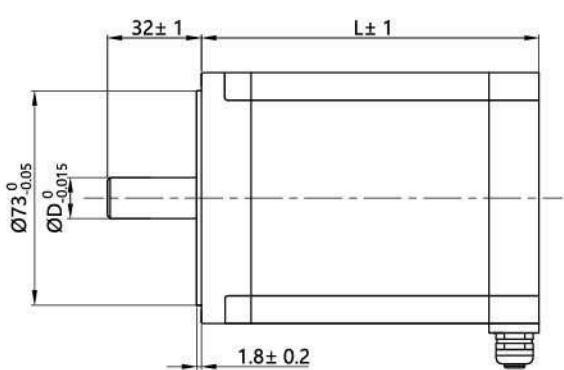
● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle (°)	长度 Motor Length (L)mm	电流 Current /Phase A	电阻 Resistance /Phase Ω	电感 Inductance /Phase mH	静转矩 Holding Torque N.m	引线数 # of Leads No.	定位转矩 Detent Torque g.cm	转子惯量 Rotor Inertia g.cm²	重量 Weight Kg	防水等级 Waterproof level
JK86HSW78-6004	1.8	87.8	6	0.37	3.4	4.5	4	1200	1400	2.3	IP65
JK86HSW115-6004	1.8	126	6	0.6	6.5	8.5	4	2400	2700	3.8	

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Above only for representative products, products of special request can be made according to the customer request.

● 电机外型图 (Dimensions)

(单位 / Unit=mm)



1.8° 42mm正齿轮步进电机
1.8° 42mm Stepper motor with Spur gearbox

减速步进电机
Stepper motor with gearbox

基本性能 (General Specification)

Table with 3 columns: Item, Item, 性能 (Specifications). Rows include Step Angle (1.8°), Temperature Rise (80°Cmax), Ambient Temperature (-20°C~+50°C), Insulation Resistance (100 MΩ Min.), Dielectric Strength (500VAC for 1minute), Shaft Radial Play (0.02Max.), Shaft Axial Play (0.08Max.), Max. radial force (28N), and Max. axial force (10N).



选件 Options



电机规格 (Electrical Specifications)

Table with 11 columns: Model No., Step Angle, Motor Length, Current, Resistance, Inductance, Holding Torque, # of Leads, Detent Torque, Rotor Inertia, and Weight. It lists specifications for models JK42HS34-1334, JK42HS40-1704, JK42HS48-1684, and JK42HS60-1704.

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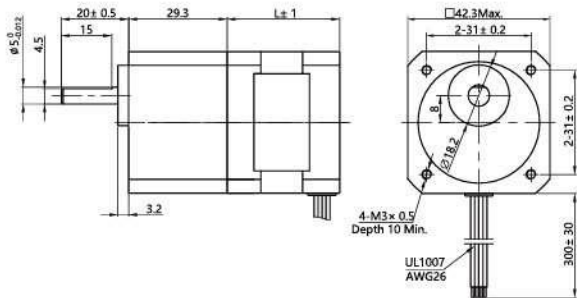
偏心减速箱规格 (Eccentric gearbox specifications)

Table with 6 columns: Reduction ratio, Deceleration level, Gearbox length (L2) MM, Peak torque kg.cm, Empty clearance (degrees). It shows specifications for ratios 5, 10, 15, 20 and deceleration levels 1, 2.

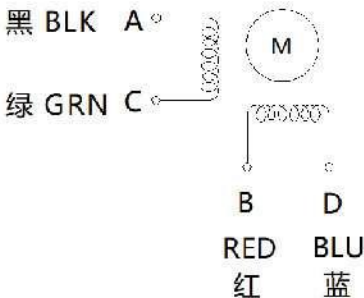
*注: 使用环境相对湿度: 20%~85%RH; 使用环境相对温度: -10℃~+80℃。
*Note: Operating ambient humidity: 20%~85%RH; Operating ambient temp: -10℃~+80℃。

电机外型图 (Dimensions)

(单位 / Unit=mm)



接线图 (Wiring Diagram)



1.8° 57mm正齿轮步进电机

1.8° 57mm Stepper motor with Spur gearbox

减速步进电机

Stepper motor with gearbox

● 基本性能

(General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	75N (20mm from the flange)
最大轴向压力	Max. axial force	15N



选件 Options



● 电机规格

(Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	N.m	No.	g.cm	g.cm²	Kg
JK57HS41-2804	1.8	41	2.8	0.7	1.4	0.55	4	250	150	0.47
JK57HS51-2804	1.8	51	2.8	0.83	2.2	1	4	300	230	0.59
JK57HS56-2804	1.8	56	2.8	0.9	3	1.2	4	350	280	0.68
JK57HS76-2804	1.8	76	2.8	1.1	3.6	1.89	4	600	440	1.1
JK57HS82-3004	1.8	82	3	1.2	4	2.1	4	1000	600	1.1
JK57HS100-3004	1.8	100	3	0.75	3	2.8	4	1100	700	1.3
JK57HS112-3004	1.8	112	3	1.6	7.5	3	4	1200	800	1.4
JK57HS112-4204	1.8	112	4.2	0.9	3.8	3.1	4	1200	800	1.4

以上仅为代表产品, 特殊要求产品可根据客户要求订制。

Above only for representative products, products of special request can be made according to the customer request.

● 偏心减速箱规格

(Eccentric gearbox specifications)

减速比	Reduction ratio	3	7.5	12.5	15	25	30	50	75	90	100	120	150
减速级数	Deceleration level	2			3			4		5			
减速箱长度(L2)MM	Gearbox length (L2) MM	32&42			42								
峰值力矩 kg.cm	Peak torque kg.cm	50											
空载间隙(度)	Empty clearance (degrees)	4 deg			3.5 deg			3 deg		2.5 deg			

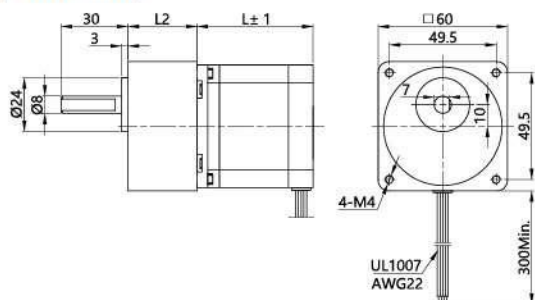
*注: 使用环境相对湿度: 20%~85%RH; 使用环境相对温度: -10°C~+80°C。

*Note: Operating ambient humidity: 20%~85%RH; Operating ambient temp: -10°C~+80°C。

● 电机外型图

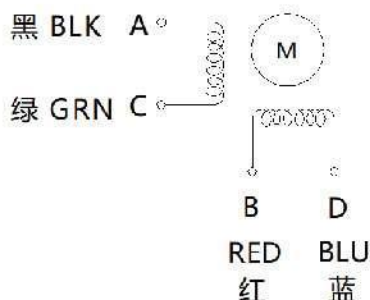
(Dimensions)

(单位 / Unit=mm)



● 接线图

(Wiring Diagram)



1.8° 86mm正齿轮步进电机
1.8° 86mm Stepper motor with Spur gearbox

减速步进电机
Stepper motor with gearbox

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	220N (20mm from the flange)
最大轴向压力	Max. axial force	60N



选件 Options



接插件



齿轮箱



编码器



刹车



一体机

● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	N.m	No.	g.cm	g.cm ²	Kg
JK86HS78-6004	1.8	78	6	0.37	3.4	4.6	4	1200	1400	2.3
JK86HS115-6004	1.8	115	6	0.6	6.5	8.7	4	2400	2700	3.8
JK86HS126-6004	1.8	126	6	0.58	6.5	9.5	4	2900	3200	4.5
JK86HS155-6004	1.8	155	6	0.68	9	13	4	3600	4000	5.4

以上仅为代表产品, 特殊要求产品可根据客户要求订制。
Above only for representative products, products of special request can be made according to the customer request.

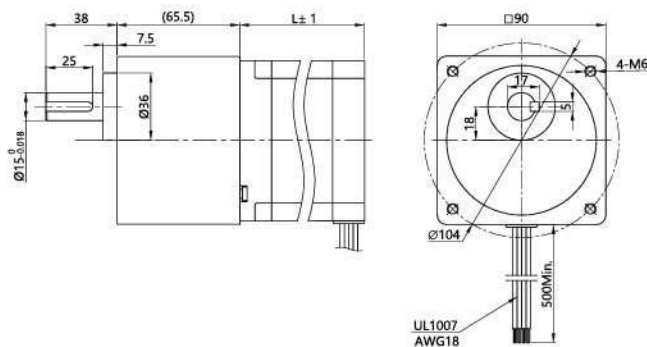
● 偏心减速箱规格 (Eccentric gearbox specifications)

减速比	Reduction ratio	3、5、7.5、10、15、18	20、25、30、50	60、75、100、120、150、200
减速级数	Deceleration level	1	2	3
减速箱长度 (MM)	Gearbox length (MM)	65.5		
额定转矩 (N.M)	Rated torque (N.M)	30		
极限转矩 (N.M)	Ultimate torque (N.M)	45		

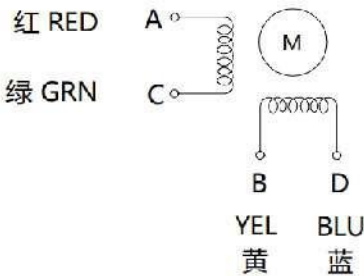
*注: 使用环境相对湿度: 20%~85%RH; 使用环境相对温度: -10°C~+80°C。
*Note: Operating ambient humidity: 20%~85%RH; Operating ambient temp: -10°C~+80°C。

● 电机外型图 (Dimensions)

(单位 / Unit=mm)



● 接线图 (Wiring Diagram)



1.8° 28mm普通行星减速箱步进电机

1.8° 28mm Stepper motor with Common planetary gearbox

减速步进电机

Stepper motor with gearbox

● 基本性能

(General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选件 Options



接插件



齿轮箱



编码器



刹车



一体机

● 电机规格

(Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	g.cm	No.	g.cm ²	Kg
JK28HS32-0674	1.8	32	0.67	5.6	3.4	600	4	9	0.11
JK28HS45-0674	1.8	45	0.67	6.8	4.9	950	4	12	0.14
JK28HS51-0674	1.8	51	0.67	9.2	7.2	1200	4	18	0.2

以上仅为代表产品,特殊要求产品可根据客户要求订制。

Above only for representative products, products of special request can be made according to the customer request.

● 减速箱规格

(Gearbox specifications)

减速比	RReduction ratio	3.71、5.2	14、19、27、35	51、71、100、139	189、264、369、516、721、939
减速箱长度(MM)	Gearbox length (MM)	29	36.1	43	49.9
效率(%)	Efficiency (%)	90	81	73	66
额定转矩(N.M)	Rated torque (N.M)	0.3	1.2	2.5	3
极限转矩(N.M)	Ultimate torque (N.M)	1.0	3.5	7.5	9
重量(G)	Weight (G)	72	80	108	126

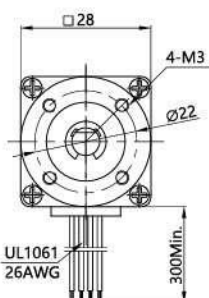
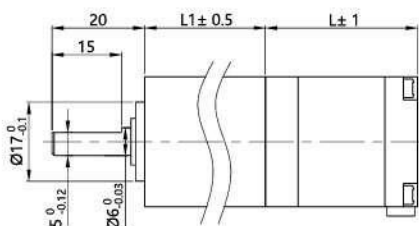
*注:使用环境相对湿度:20%~85%RH; 使用环境相对温度:-10°C~+80°C。

*Note: Operating ambient humidity:20%~85%RH; Operating ambient temp:-10°C~+80°C。

● 电机外型图

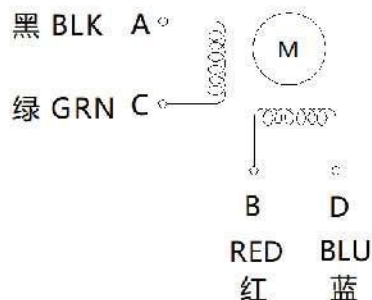
(Dimensions)

(单位 / Unit=mm)



● 接线图

(Wiring Diagram)



1.8° 42mm普通行星减速箱步进电机
1.8° 42mm Stepper motor with Common planetary gearbox

减速步进电机
Stepper motor with gearbox

基本性能 (General Specification)

Table with 3 columns: Item, Item, 性能 (Specifications). Rows include Step Angle (1.8°), Temperature Rise (80°Cmax), Ambient Temperature (-20°C~+50°C), Insulation Resistance (100 MΩ Min. ,500VDC), Dielectric Strength (500VAC for 1minute), Shaft Radial Play (0.02Max. (450g-load)), Shaft Axial Play (0.08Max. (450g-load)), Max. radial force (28N (20mm from the flange)), and Max. axial force (10N).



选件 Options



电机规格 (Electrical Specifications)

Table with 11 columns: Model No., Step Angle, Motor Length, Current /Phase, Resistance /Phase, Inductance /Phase, Holding Torque, # of Leads, Detent Torque, Rotor Inertia, and Weight. Rows list models JK42HS34-1334, JK42HS40-1704, JK42HS48-1684, and JK42HS60-1704 with their respective specifications.

以上仅为代表产品, 特殊要求产品可根据客户要求订制。
Above only for representative products, products of special request can be made according to the customer request.

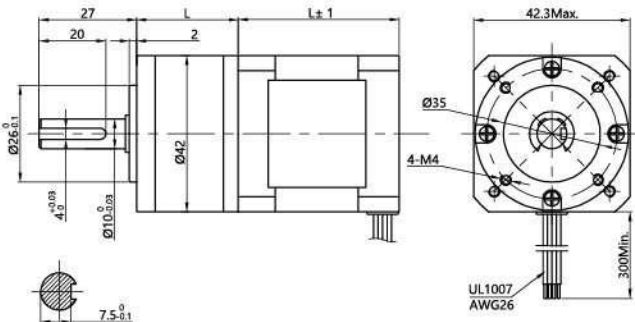
减速箱规格 (Gearbox specifications)

Table with 15 columns: Reduction ratio, Number of deceleration lines, Gearbox length (MM), No load speed (R/MIN), Rated speed (R/MIN), Rated torque (N.M), Maximum instantaneous allowable load (N.M), and 14 numerical values for different ratios.

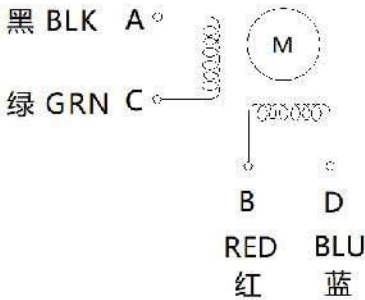
*注: 使用环境相对湿度: 20%~85%RH; 使用环境相对温度: -10℃~+80℃。
*Note: Operating ambient humidity: 20%~85%RH; Operating ambient temp: -10℃~+80℃。

电机外型图 (Dimensions)

(单位 / Unit=mm)



接线图 (Wiring Diagram)



1.8° 57mm普通行星减速箱步进电机

1.8° 57mm Stepper motor with Common planetary gearbox

减速步进电机

Stepper motor with gearbox

基本性能

(General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	75N (20mm from the flange)
最大轴向压力	Max. axial force	15N



选件 Options



接插件



齿轮箱



编码器



刹车



一体机

电机规格

(Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	N.m	No.	g.cm	g.cm ²	Kg
JK57HS41-2804	1.8	41	2.8	0.7	1.4	0.55	4	250	150	0.47
JK57HS51-2804	1.8	51	2.8	0.83	2.2	1	4	300	230	0.59
JK57HS56-2804	1.8	56	2.8	0.9	3	1.2	4	350	280	0.68
JK57HS76-2804	1.8	76	2.8	1.1	3.6	1.89	4	600	440	1.1
JK57HS82-3004	1.8	82	3	1.2	4	2.1	4	1000	600	1.1
JK57HS100-3004	1.8	100	3	0.75	3	2.8	4	1100	700	1.3
JK57HS112-3004	1.8	112	3	1.6	7.5	3	4	1200	800	1.4
JK57HS112-4204	1.8	112	4.2	0.9	3.8	3.1	4	1200	800	1.4

以上仅为代表产品,特殊要求产品可根据客户要求订制。

Above only for representative products, products of special request can be made according to the customer request.

减速箱规格

(Gearbox specifications)

减速比	Reduction ratio	3.6	4.25	13	15	18	23	47	55	65	77	121	154	187	220	260	307
减速级数	Deceleration level	1			2					3					4		
减速箱长度L2(MM)	Gearbox length L2 (MM)	37.8			49.5					60.8					71.9		
最大额定转矩 N.m	Maximum rated torque N.m	3			12					24					30		
瞬间允许转矩 N.m	Instantaneous allowable torque N.m	9			36					72					90		
效率 (%)	Efficiency (%)	90%			81%					73%					66%		
重量 kg	Weight kg	0.5			0.68					0.87					1.1		

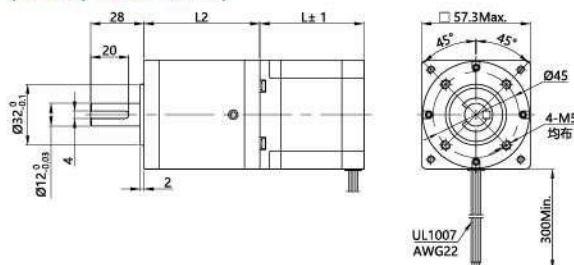
*注:使用环境相对湿度:20%~85%RH; 使用环境相对温度:-10°C~+80°C。

*Note: Operating ambient humidity:20%~85%RH; Operating ambient temp:-10°C~+80°C。

电机外型图

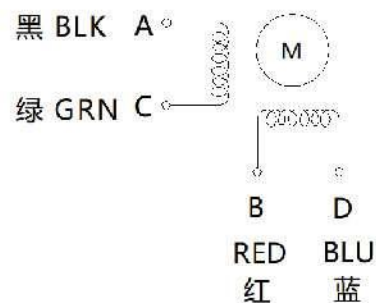
(Dimensions)

(单位 / Unit=mm)



接线图

(Wiring Diagram)



1.8° 60mm普通行星减速箱步进电机

1.8° 60mm Stepper motor with Common planetary gearbox

减速步进电机

Stepper motor with gearbox

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	75N (20mm from the flange)
最大轴向压力	Max. axial force	15N



选件 Options



● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	N.m	No.	g.cm	g.cm ²	Kg
JK60HS56-2804	1.8	56	2.8	0.9	3.6	1.65	4	700	300	0.77
JK60HS67-2804	1.8	67	2.8	1.2	4.6	2.1	4	900	570	1.2
JK60HS88-2804	1.8	88	2.8	1.5	6.8	3.1	4	1000	840	1.4
JK60HS100-2804	1.8	100	2.8	1.6	6.4	4	4	1100	980	1.7
JK60HS111-2804	1.8	111	2.8	2.2	8.3	4.5	4	1200	1120	1.9

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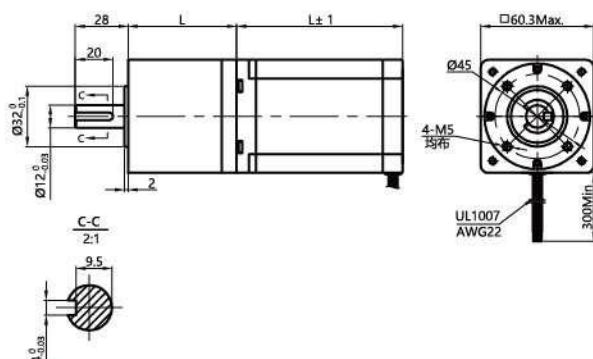
● 减速箱规格 (Gearbox specifications)

减速比	Reduction ratio	3.6	4.25	13	15	18	23	47	55	65	77	96	121	154	187	220	260	307	409	514	645
减速线级数	Number of deceleration lines	1		2				3						4							
空载转速 (R/MIN)	No load speed (R/MIN)	403	341	112	97	81	63	31	26	22	19	15	12	9.4	7.8	6.6	5.6	4.7	3.5	2.8	2.2
额定转速 (R/MIN)	Rated speed (R/MIN)	333	282	92	80	68	52	26	22	18	16	13	9.9	7.8	6.4	5.5	4.6	3.9	2.9	2.3	1.9
额定转矩 (N.M)	Rated torque (N.M)	0.26	0.31	0.84	1	1.2	1.5	2.7	3.2	3.8	4.5	5.6	7.1	8	9.7	11	14	16	21	27	30
减速箱长度 (MM)	Gearbox length (MM)	37.8		49.5				60.8									71.9				
重量 (KG)	Weight (KG)	1.4		1.5				1.7									1.85				

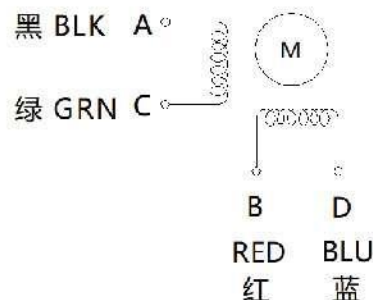
*注: 使用环境相对湿度: 20%~85%RH; 使用环境相对温度: -10°C~+80°C。
*Note: Operating ambient humidity: 20%~85%RH; Operating ambient temp: -10°C~+80°C.

● 电机外型图 (Dimensions)

(单位 / Unit=mm)



● 接线图 (Wiring Diagram)



1.8° 28mm精密行星减速箱步进电机

减速步进电机
Stepper motor with gearbox

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



选件 Options



● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	g.cm	No.	g.cm ²	Kg
JK28HS32-0674	1.8	32	0.67	5.6	3.4	600	4	9	0.11
JK28HS45-0674	1.8	45	0.67	6.8	4.9	950	4	12	0.14
JK28HS51-0674	1.8	51	0.67	9.2	7.2	1200	4	18	0.2

Above only for representative products, products of special request can be made according to the customer request.

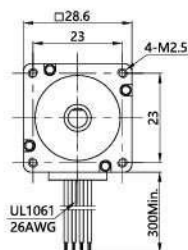
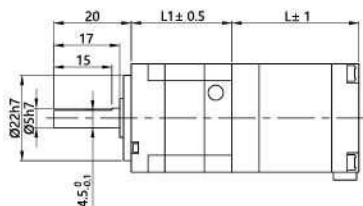
● 减速箱规格 (Gearbox specifications)

减速比	Reduction ratio	3、4、5、7、10	10、15、16、20、25、28、35、40、50、70
减速箱长度(MM)	Gearbox length (MM)	38	46.5
额定转矩(N.M)	Rated torque (N.M)	减速比不同转矩也不同	
极限转矩(N.M)	Ultimate torque (N.M)		
效率(%)	Efficiency (%)	96	94
回程间隙(arcmin)	Return gap (arcmin)	≤12	≤15
额定输入转速(RPM)	Rated input speed (RPM)	≤3000	
重量(KG)	Weight (KG)	0.17	0.26
噪音(DB)	Noise (DB)	≤58	≤58
寿命(H)	Lifetime (H)	≈20000	

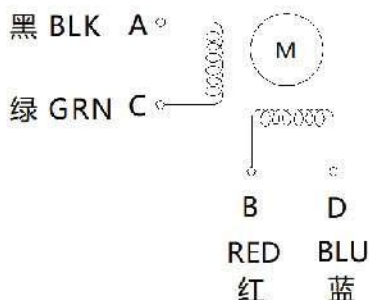
*Note: Operating ambient humidity:20%~85%RH; Operating ambient temp:-10°C~+80°C.

● 电机外型图 (Dimensions)

(单位 / Unit=mm)



● 接线图 (Wiring Diagram)



减速步进电机
Stepper motor with gearbox

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	28N (20mm from the flange)
最大轴向压力	Max. axial force	10N



Connector
接插件

Gearbox
齿轮箱

Encoder
编码器

Brake
刹车

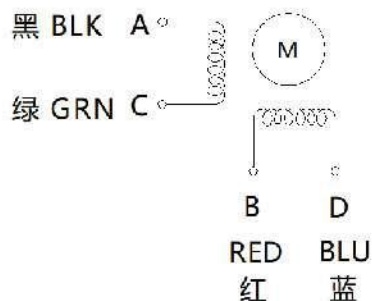
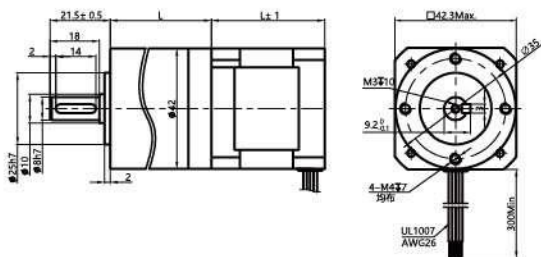
Integrated drive
一体机

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	kg.cm	No.	g.cm	g.cm ²	Kg
JK42HSH34-1334	1.8	34	1.33	2.1	2.5	2.6	4	120	34	0.22
JK42HSH40-1704	1.8	40	1.7	1.5	2.3	4.2	4	150	54	0.28
JK42HSH48-1684	1.8	48	1.68	1.65	2.8	5.5	4	260	68	0.38
JK42HSH60-1704	1.8	60	1.7	3	6.2	7.3	4	280	102	0.55

以上仅为代表产品,特殊要求产品可根据客户要求订制。
Above only for representative products, products of special request can be made according to the customer request.

减速比	Reduction ratio	3、4、5、7、11	12、15、16、20、25、28、35、40、45、50、70、100
减速箱长度(MM)	Gearbox length (MM)	38	46.5
额定转矩(N.M)	Rated torque (N.M)	减速比不同转矩也不同	
极限转矩(N.M)	Ultimate torque (N.M)		
效率(%)	Efficiency (%)	96	94
回程间隙(arcmin)	Return gap (arcmin)	≤15	≤20
额定输入转速(RPM)	Rated input speed (RPM)	≤3000	
重量(KG)	Weight (KG)	0.25	0.35
噪音(DB)	Noise (DB)	≤55	≤55
寿命(H)	Lifetime (H)	≈20000	

*Note: Operating ambient humidity:20%~85%RH; Operating ambient temp:-10℃~+80℃。



1.8° 57mm精密行星减速箱步进电机

1.8° 57mm Stepper motor with planetary gearbox

减速步进电机

Stepper motor with gearbox

基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	75N (20mm from the flange)
最大轴向压力	Max. axial force	15N



选件 Options



电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	N.m	No.	g.cm	g.cm ²	Kg
JK57HS41-2804	1.8	41	2.8	0.7	1.4	0.55	4	250	150	0.47
JK57HS51-2804	1.8	51	2.8	0.83	2.2	1	4	300	230	0.59
JK57HS56-2804	1.8	56	2.8	0.9	3	1.2	4	350	280	0.68
JK57HS76-2804	1.8	76	2.8	1.1	3.6	1.89	4	600	440	1.1
JK57HS82-3004	1.8	82	3	1.2	4	2.1	4	1000	600	1.1
JK57HS100-3004	1.8	100	3	0.75	3	2.8	4	1100	700	1.3
JK57HS112-3004	1.8	112	3	1.6	7.5	3	4	1200	800	1.4

以上仅为代表产品，特殊要求产品可根据客户要求订制。

Above only for representative products, products of special request can be made according to the customer request.

减速箱规格 (Gearbox specifications)

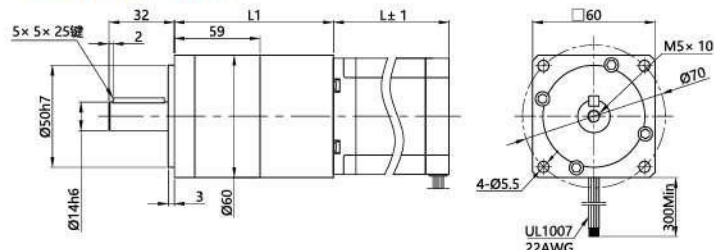
级数 Stage	One stage 单级	Two stage 二级	Three stage 三级
减速比 Ratio	3, 4, 5, 7, 10	15, 16, 20, 25, 28, 35, 40, 50, 70, 100	60, 64, 80, 100, 125, 140, 150, 200, 400, 500
长度 Length (mm)	78	95	112
最大输入转速 Max.Input Rpm (Rpm)	8000	8000	8000
最大径向力 Max.Radial load (N)	320	320	320
最大轴向力 Max.Shaft axial load (N)	280	280	280
效率 Efficiency (%)	96	94	90
回程间隙 Backlash arcmin (arcmin)	≤10	≤15	≤18
噪音 Noise (dB)	≤60	≤60	≤60
平均寿命 Average usefui life (h)	20000	20000	20000
润滑方式 Lubricating system	长效润滑		
旋转方向 Rotation direction	输出输入同向 Input/Output syntropy		
保护等级 Protection level	ip65		

*注：使用环境相对湿度：20%~85%RH；使用环境相对温度：-10°C~+80°C。

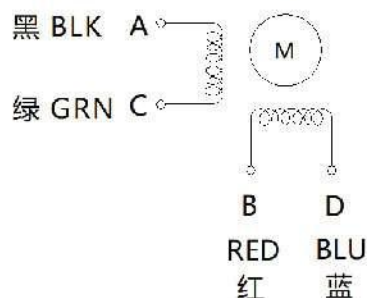
*Note: Operating ambient humidity:20%~85%RH; Operating ambient temp:-10°C~+80°C。

电机外型图 (Dimensions)

(单位 / Unit=mm)



接线图 (Wiring Diagram)



1.8° 60mm精密行星减速箱步进电机
1.8° 60mm Stepper motor with planetary gearbox

减速步进电机
Stepper motor with gearbox

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	75N (20mm from the flange)
最大轴向压力	Max. axial force	15N



选件 Options



● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle	长度 Motor Length	电流 Current /Phase	电阻 Resistance /Phase	电感 Inductance /Phase	静转矩 Holding Torque	引线数 # of Leads	定位转矩 Detent Torque	转子惯量 Rotor Inertia	重量 Weight
	(°)	(L)mm	A	Ω	mH	N.m	No.	g.cm	g.cm ²	Kg
JK60HS56-2804	1.8	56	2.8	0.9	3.6	1.65	4	700	300	0.77
JK60HS67-2804	1.8	67	2.8	1.2	4.6	2.1	4	900	570	1.2
JK60HS88-2804	1.8	88	2.8	1.5	6.8	3.1	4	1000	840	1.4
JK60HS100-2804	1.8	100	2.8	1.6	6.4	4	4	1100	980	1.7
JK60HS111-2804	1.8	111	2.8	2.2	8.3	4.5	4	1200	1120	1.9

以上仅为代表产品，特殊要求产品可根据客户要求订制。
Above only for representative products, products of special request can be made according to the customer request.

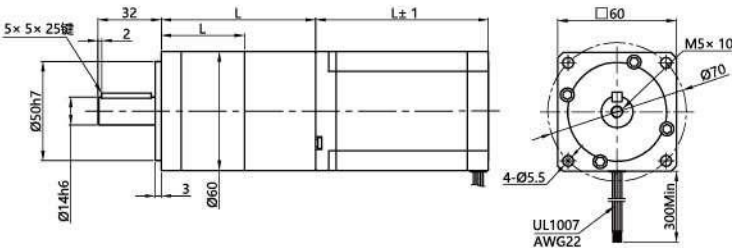
● 减速箱规格 (Gearbox specifications)

级数 Stage	One stage 单级	Two stage 二级	Three stage 三级
减速比 Ratio	3, 4, 5, 7, 10	15, 16, 20, 25, 28, 35, 40, 50, 70, 100	60, 64, 80, 100, 125, 140, 150, 200, 400, 500
长度 Length (mm)	78	95	112
最大输入转速 Max.Input Rpm (Rpm)	8000	8000	8000
最大径向力 Max.Radial load (N)	320	320	320
最大轴向力 Max.Shaft axial load (N)	280	280	280
效率 Efficiency (%)	96	94	90
回程间隙 Backlash arcmin (arcmin)	≤10	≤15	≤18
噪音 Noise (dB)	≤60	≤60	≤60
平均寿命 Average usefui life (h)	20000	20000	20000
润滑方式 Lubricating system	长效润滑		
旋转方向 Rotation direction	输出输入同向 Input/Output syntropy		
保护等级 Protection level	ip65		

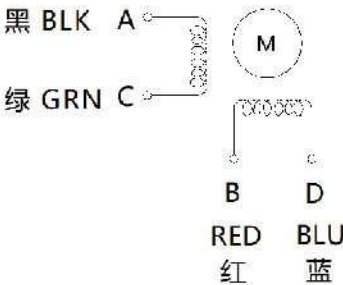
*注：使用环境相对湿度：20%~85%RH；使用环境相对温度：-10℃~+80℃。
*Note: Operating ambient humidity:20%~85%RH; Operating ambient temp:-10℃~+80℃.

● 电机外型图 (Dimensions)

(单位 / Unit=mm)



● 接线图 (Wiring Diagram)



1.8° 86mm精密行星减速箱步进电机

1.8° 86mm Stepper motor with planetary gearbox

减速步进电机

Stepper motor with gearbox

● 基本性能 (General Specification)

项目	Item	性能 (Specifications)
步距角	Step Angle	1.8°
温升	Temperature Rise	80°Cmax
环境温度	Ambient Temperature	-20°C~+50°C
绝缘电阻	Insulation Resistance	100 MΩ Min. ,500VDC
电气强度	Dielectric Strength	500VAC for 1minute
径向间隙	Shaft Radial Play	0.02Max. (450g-load)
轴向间隙	Shaft Axial Play	0.08Max. (450g-load)
最大径向压力	Max. radial force	220N (20mm from the flange)
最大轴向压力	Max. axial force	60N



选件 Options



● 电机规格 (Electrical Specifications)

型号 Model No.	步距角 Step Angle (°)	长度 Motor Length (L)mm	电流 Current /Phase A	电阻 Resistance /Phase Ω	电感 Inductance /Phase mH	静转矩 Holding Torque N.m	引线数 # of Leads No.	定位转矩 Detent Torque g.cm	转子惯量 Rotor Inertia g.cm ²	重量 Weight Kg
JK86HS78-6004	1.8	78	6	0.37	3.4	4.6	4	1200	1400	2.3
JK86HS115-6004	1.8	115	6	0.6	6.5	8.7	4	2400	2700	3.8
JK86HS126-6004	1.8	126	6	0.58	6.5	9.5	4	2900	3200	4.5
JK86HS155-6004	1.8	155	6	0.68	9	13	4	3600	4000	5.4

以上仅为代表产品, 特殊要求产品可根据客户要求订制。

Above only for representative products, products of special request can be made according to the customer request.

● 减速箱规格 (Gearbox specifications)

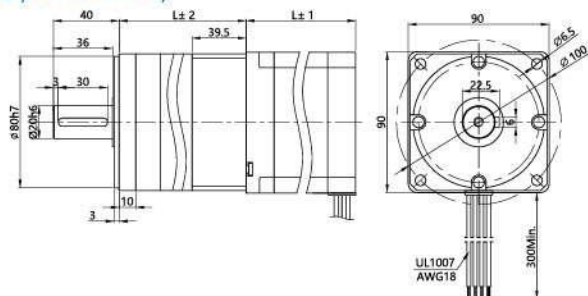
级数 Stage	One stage 单级	Two stage 二级	Three stage 三级
减速比 Ratio	3, 4, 5, 7, 10	15, 16, 20, 25, 28, 35, 40, 50, 70, 100	60, 64, 80, 100, 125, 140, 150, 200, 400, 500
长度 Length (mm)	115	140	165
最大输入转速 Max.Input Rpm (Rpm)	6000	6000	6000
最大径向力 Max.Radial load (N)	550	550	550
最大轴向力 Max.Shaft axial load (N)	500	500	500
效率 Efficiency (%)	96	94	90
回程间隙 Backlash arcmin (arcmin)	≤10	≤15	≤20
噪音 Noise (dB)	≤65	≤65	≤65
平均寿命 Average usefui life (h)	20000	20000	20000
润滑方式 Lubricating system	长效润滑		
旋转方向 Rotation direction	输出输入同向 Input/Output syntropy		
保护等级 Protection level	ip65		

*注: 使用环境相对湿度: 20%~85%RH; 使用环境相对温度: -10°C~+80°C。

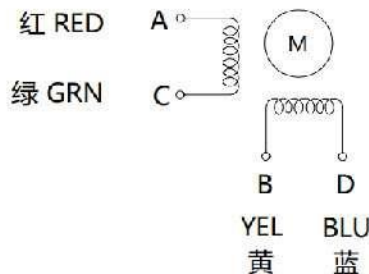
*Note: Operating ambient humidity: 20%~85%RH; Operating ambient temp: -10°C~+80°C。

● 电机外型图 (Dimensions)

(单位 / Unit=mm)



● 接线图 (Wiring Diagram)



DM420两相步进电机驱动器

DM420 2 Phase stepper motor driver
(for NEMA8~NEMA17 Stepper Motor)

步进电机驱动器 Stepper motor driver

概述

(Descriptions)

DM420步进电机细分驱动器是一款高性价比的两相步进电机驱动器,最大可提供2.0A的电流输出,直流电源输入。本款驱动器采用先进的纯正弦波电流控制技术,具有大扭矩,低噪声,低振动等特点,适用于尺寸为28, 35, 39, 42等各类2相或4相混合式步进电机。

DM420 is a type of 2 phase hybrid Stepper motor driver. this driver input DC 12-DC36 Voltage. This kind of drive with advanced pure sine wave current control technology, with large torque, low noise, low vibration and other characteristics, is suitable for the size of 20, 28, 35, 39, 42 and other kinds of phase 2 or 4 phase hybrid stepping motors.



特点

(Features)

- *平均电流控制,两相正弦电流输出
- *直流12~30V
- *光电隔离信号输入、输出
- *有过压、欠压、过流、相间短路保护功能
- *八档细分和自动半流功能
- *八档输出相电流设置
- *可驱动任何2.0A相电流以下两相、四相混合式步进电机
- *20KHz斩波频率

- *Average current control, 2 phase sinusoidal output current drive
- *Supply voltage from 12VDC~30VDC
- *Opto-isolated signal I/O
- *Overvoltage, under voltage, overcurrent, phase short circuit protection
- *8 channels subdivision and automatic idle-current reduction
- *8 channels output phase current setting
- *Can drive 2 phase and 4 phase hybrid stepper motor when phase current less than 2.0A
- *20KHz PMW.

性能指标

(Mechanical Specification)

输入电压: 直流12~30VDC

输出电流: 0.3A~2.0A

温度: 工作温度 -10°~+45°, 存放温度 -20°~80°

环境湿度: 不凝露, 不结霜

气体: 禁止有可燃气体和导电灰尘

重量: 180克

Input Voltage: 12~30V DC

Output current: 0.3A~2.0A

Temperature: working temperature -10°~+45°, stocking temperature -20°~80°

Humidity: Not condensation, no water droplets

Gas: Prohibition of combustible gases and conductive dust

Weight: 180g

驱动器设置

(Driver Setting)

1. 细分设置/Microstepping Setting

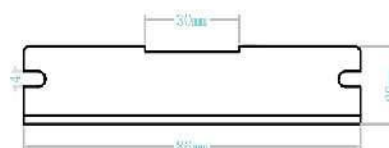
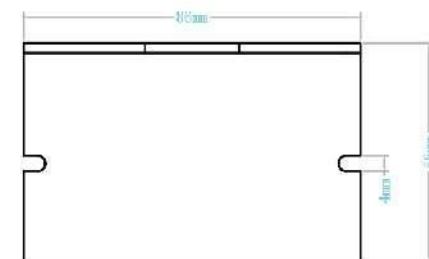
PEAK (A)	RMS (A)	SW1	SW2	SW3
0.3A	0.21A	ON	ON	ON
0.5A	0.35A	OFF	ON	ON
0.7A	0.5A	ON	OFF	ON
1.0A	0.71A	OFF	OFF	ON
1.3A	0.92A	ON	ON	OFF
1.6A	1.13A	OFF	ON	OFF
1.9A	1.34A	ON	OFF	OFF
2.0A	1.42A	OFF	OFF	OFF

2. 电流设置/Current Setting:

Pulse	400	800	1600	3200	6400	12800	4000	8000
SW4	ON	OFF	ON	OFF	ON	OFF	ON	OFF
SW5	ON	ON	OFF	OFF	ON	ON	OFF	OFF
SW6	ON	ON	ON	ON	OFF	OFF	OFF	OFF

安装尺寸

(Installation dimension)



DM542两相步进电机驱动器

DM542 2 Phase stepper motor driver
for NEMA23, NEMA24 Stepper Motor

步进电机驱动器

Stepper motor driver

● 概述 (Descriptions)

DM542是精控电机新推出的数字式步进电机驱动器,采用最新32位DSP数字处理技术,驱动器控制算法采用先进的变电流技术和先进的变频技术,驱动器发热小,电机振动小,运行平稳。用户可以设置200~51200内的任意细分以及额定电流内的任意电流值,能够满足大多数场合的应用需要。由于采用内置微细分技术,即使在低细分的条件下,也能够达到高细分的效果,低中高速运行都很平稳,噪音超小。驱动器内部集成了参数上电自动整定功能,能够针对不同电机自动生成最优运行参数,最大限度发挥电机的性能。主要应用于57mm 以及86mm 短机身电机。

DM542 is a new digital stepper motor driver by JKONGMOTOR. It adopts the latest 32-bit DSP digital processing technology. The drive control algorithm adopts advanced variable current technology and advanced frequency conversion technology. The driver has small heating, small motor vibration and stable operation. Users can set any subdivision within 200~51200 and any current value in the rated current to meet the application needs in most occasions. Thanks to the built-in micro-subdivision technology, the subdivision effect can be achieved even under the condition of low subdivision. The operation is smooth and the noise is ultra-small under low, medium and high speed. The driver integrates the parameter auto-adjust function, which can automatically generate optimal operating parameters for different motors to maximize the performance of the motor. Suit for NEMA23 AND NEMA34 stepper motor.



● 特点 (Features)

- *全新32位DSP技术
- *超低振动噪声
- *内置高细分
- *参数上电自动整定功能
- *变电流控制使电机发热大为降低
- *静止时电流自动减半
- *New 32-bit DSP technology
- *Ultra-low vibration noise
- *Built-in high subdivision
- *Automatic parameter adjustment function when power on
- *Variable current control reduces the heating of the motor
- *The current automatically halve at rest
- *可驱动4,8线两相步进电机
- *光隔离差分信号输入
- *脉冲响应频率最高可达500KHz (出厂默认200KHz)
- *电流设定方便,可在0.1- 5.0A之间任意选择
- *细分设定范围为200- 51200
- *具有过压、欠压、过流等保护功能
- *Can drive two phase stepping motors of 4,8lines
- *Optical isolation differential signal input
- *The pulse response frequency can reach to 500KHz (Factory default 200KHz)
- *The current setting is convenient and can choose between 0.1 to 5.0A
- *Subdivision setting range is between 200 to 51200
- *Has the protection function of overpressure, underpressure and overcurrent

● 应用 (Application)

适合各种中小型自动化设备和仪器,例如:雕刻机、打标机、切割机、激光照排、绘图仪、数控机床、自动装配设备等。在用户期望小噪声、高速度的设备中应用效果特佳。

Suitable for all kinds of small and medium sized automation equipment and instruments, such as: engraving machine, marking machine, cutting machine, laser lighting, plotter, cnc machine, automatic assembly equipment, etc. It use very well in the equipment that user expects small noise, and high peed.

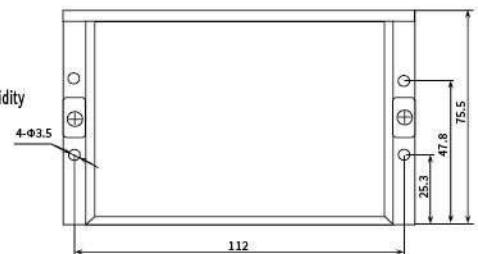
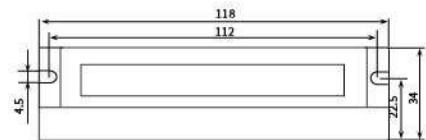
电气指标和工作环境 / Electrical, mechanical and environmental indicators:

说明 Instruction	DM542			
	最小值 Minimu	典型值 Typical	最大值 Maximum	单位 Unit
输出电流 The output current	0.1	-	5.6	A
输入电源电压 Input voltage	24	36	60	VDC
控制信号输入电流 Control signal input current	6	10	16	mA
控制信号接口电平 Control signal interface level	4.5	5	28	Vdc
输入信号最小脉冲宽度 Input signal minimum pulse width	1.5	-	-	us
步进脉冲频率 Stepper pulse frequency	0	-	200	KHz
绝缘电阻 Insulation resistance	100			MΩ

使用环境及参数 / Using environment and parameters:

冷却方式 Cooling method	自然冷却或强制风冷 Natural cooling or forced air cooling	
使用环境 Using environment	场合 Occasion	不能放在其它发热的设备旁,要避免粉尘、油雾、腐蚀性气体,湿度太大及强振动场所,禁止有可燃气体和导电灰尘; Can not be placed next to other heating equipment, should avoid dust, oil mist, corrosive gas, too big humidity and strong vibration place, prohibit to have combustibile gas and conductive dust.
	温度 Temperature	-5℃~+50℃ -5℃~+50℃
	湿度 Humidity	40~90%RH 40~90%RH
	振动 Vibration	5.9m/s2MAX 5.9m/s2MAX
保存温度 Storage temperature	-20℃~80℃ -20℃~80℃	
使用海拔 Using altitude	1000米以下 Below 1000 metres	
重量 Weight	约280克 About 280 g	

● 安装尺寸 (Installation dimension)



Drawing 1 Installation dimension diagram (Unit:mm)

DM860H两相步进电机驱动器

DM860H 2 Phase stepper motor driver
for NEMA24, NEMA34 Stepper Motor

步进电机驱动器

Stepper motor driver

● 概述 (Descriptions)

DM860H新一代高性能数字步进电机驱动器,采用32位DSP技术和最新数字式PID控制算法,内嵌微细分控制技术大幅度降低电机运转时的噪音和振动,具有低噪音、低振动、低温升等特点。

驱动器电压为交流24-80V AC, 直流24-110V DC,适合电流在6.0A以下各种型号的三相混合式步进电机。其微步细分有16种(最大细分1/256步数为51200步/转);其参考工作电流范围为2.0A-6.0A,输出电流共有8档;具有自动半流、自检、过压、欠压和过流等保护功能。

DM860H is a type of 2 phase hybrid stepper motor driver, this driver input voltage is 24-80V AC, 24-110VDC, suit for current less 6.0A, diameter is 86mm 2 phase hybrid stepper motor. this driver that adopts similar to the Circuit of servo control which enables the motor to run smoothly. It is widely used in CNC machine, robots, cutting machine, packing machine, plotter, engraving machine and so on.



● 特点 (Features)

*平均电流控制,两相正弦电流输出

*交流24~80V, 直流24V~110V

*光电隔离信号输入、输出

*有过压、欠压、过流、相间短路保护功能

*十四档细分和自动半流功能

*八档输出相电流设置

*可驱动任何6.0A相电流以下两相、四相混合式步进电机

*主要适合驱动86mm(NEMA34)两相步进电机

*Average current control, 2 phase sinusoidal output current drive

*Supply voltage from 24VAC~80VAC, 24VDC~110VDC

*Opto-isolated signal I/O

*Overvoltage, under voltage, overcurrent, phase short circuit protection

*14 channels subdivision and automatic idle-current reduction

*8 Channels output phase current setting

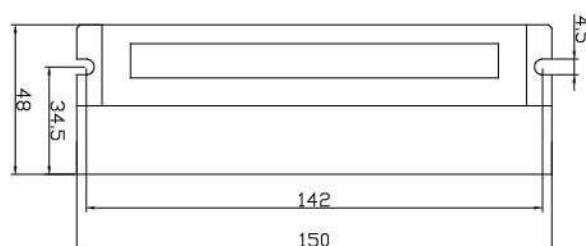
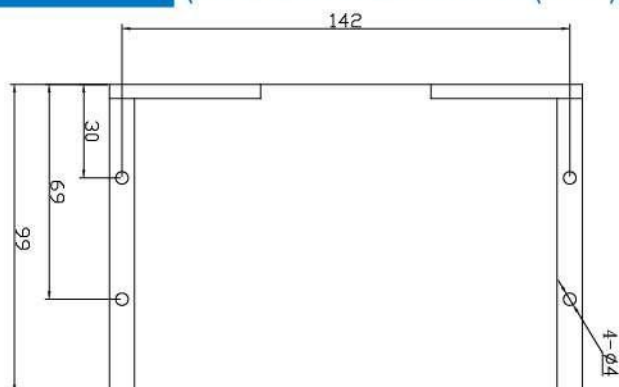
*Can drive 2 phase and 4 phase hybrid stepper motor when phase current less than 6.0A

*Mainly for 86mm(NEMA34) 2 phase stepper motor

● 性能指标 (Mechanical Specification)

输入电压 Input Voltage	交流24V~80V, 直流24V~110V 24~80V AC, 24~110V DC
输出电流 Output current	2.0A~6.0A 2.0A~6.0A
温度 Temperature	工作温度-10°~45°, 存放温度-20°~80° Working temperature -10°~45°, stocking temperature ~20°~80°
环境湿度 Humidity	不凝露, 不结霜 Not condensation, no water droplets
气体 Gas	禁止有可燃气体和导电灰尘 Prohibition of combustible gases and conductive dust
重量 Weight	600克 600g

● 外形尺寸 (Mechanical Dimension (mm))



JK2M2283两相数字驱动器

JK2M2283 2 Phase Stepper Motor Driver
for NEMA42, NEMA52 Stepper Motor

步进电机驱动器

Stepper motor driver

● 概述 (Descriptions)

JK2M2283是采用等角度恒力矩细分型高性能步进电机驱动器,适用130mm、110mm等8A以下两相、四相混合式步进电机。该驱动器采用类似伺服控制原理的电路,此电路具有运行平稳、噪音低、振动低、电机温升低等特点。因驱动器工作电压高,使电机在高速时力矩大大的高于其他两相、四相混合式及传统式步进电机。其微步细分有16种,最大细分数1/256(步数为51200步/转);其工作电流范围为2.0A-8.3A,输出电流共有16档,电流分辨率约为0.4A;具有自动半流、自检、过压、欠压和过流等保护功能。本驱动器为交流供电,建议工作电压范围为80VAC-220VAC,电压不超过240VAC不低于80VAC。

JK2M2283 is to use the perspective of constant torque subdivided type high-performance stepper motor drives, for 130 mm and 110 mm, 8 A two phase, four phase hybrid stepping motors. The driver adopted similar servo control principle of the circuit, the circuit has stable operation, low noise, low vibration, low motor temperature rise, etc. Due to the high working voltage, drive torque motor in high speed greatly higher than the other two phase, four phase hybrid and traditional stepper motor. Its micro step has 16 kinds of segment, the maximum fine

fraction 1/256 step (step 51200 / roll); The scope of its working current of 2.0 A - 8.3 A, output current, A total of 16 file current resolution of about 0.4 A; With automatic flow, self-check, over-voltage, under-voltage and over-current protection function. This drive for the ac power supply, it is recommended that the operating voltage range is 80 vac - 220 vac, voltage does not exceed 240 vac is not lower than 80 vac.



● 特点 (Features)

- *高性能、低价格
- *内置微步细分
- *停止时自动半流
- *光电隔离信号输入/输出
- *脉冲响应频率最高可达200KHz
- *低温升、低振动
- *在线自适应PID技术
- *High-performance, low price
- *Micro-step
- *Automatic idle-current reduction
- *Optical isolating signal I/O
- *Max response frequency up to 200Kpps
- *Low temperature rise, smooth motion
- *Online adaptive PID technology

● 应用 (Application)

适合各种中小型自动化设备和仪器,例如:雕刻机、打标机、切割机、激光照排、绘图仪、数控机床、自动装配设备等。在用户期望小噪声、高速度的设备中应用效果特佳。

Suitable for all kinds of small and medium sized automation equipment and instruments, such as: engraving machine, marking machine, cutting machine, laser lighting, plotter, cnc machine, automatic assembly equipment, etc. It use very well in the equipment that user expects small noise, and high speed.

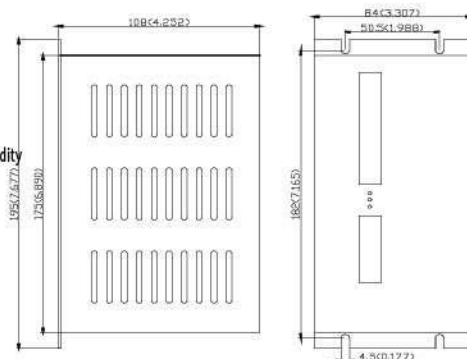
电气指标和工作环境 / Electrical, mechanical and environmental indicators:

电气参数	Parameter	最小值 Minimu	典型值 Typical	最大值 Maximum	单位 Unit
输入电压交流(VC)	Input Voltage(AC)	80	-	220	VAC
输出电流峰值	Output current	0	-	8	A
脉冲频率	Pulse Signal Frequency	0	-	200	KHZ
输入信号电流	Logic Signal Current	7	10	16	mA

● 安装尺寸 (Installation dimension)

使用环境及参数 / Using environment and parameters:

冷却方式	Cooling method	自然冷却或强制风冷		Natural cooling or forced air cooling
使用环境 Using environment	场合 Occasion	不能放在其它发热的设备旁,要避免粉尘、油雾、腐蚀性气体,湿度太大及强振动场所,禁止有可燃气体和导电灰尘; and strong vibration place, prohibit to have combustible gas and conductive dust.		
	温度 Temperature	-5°C~+50°C	-5°C~+50°C	
	湿度 Humidity	40~90%RH	40~90%RH	
	振动 Vibration	5.9m/s2MAX	5.9m/s2MAX	
保存温度	Storage temperature	-20°C~80°C	-20°C~80°C	
使用海拔	Using altitude	1000米以下		
重量	Weight	约 1.7 千克	About 1.7kg	



JK3DM683三相数字驱动器

JK3DM683 3 Phase Digital Stepper Motor Driver
for NEMA23, NEMA24 Stepper Motor

步进电机驱动器

Stepper motor driver

● 概述

(Descriptions)

JK3DM683是新一代高性能数字步进电机驱动器,采用32位DSP技术和最新数字式PID控制算法,内嵌微细分控制技术大幅度降低电机运转时的噪音和振动,具有低噪音、低振动、低温升等特点。

驱动器电压为直流24V-80V,适合电流在6.0A以下各种型号的三相混合式步进电机。其微步细分有16种,最大细分数为40000脉冲/转;平均工作电流范围为2.0A-6.0A,输出电流共有8档;具有自动半流、自检、过压、欠压和过流等保护功能。

The JK3DM683 is a new generation high-performance digital stepper driver based on DSP with advanced control algorithm. The motors driven by JK3DM683 can run with much smaller noise and much less vibration than other drivers in the market. The JK3DM683 possess the feature of lower noise, lower vibration, and lower heating. The JK3DM683's voltage is DC 24V-60V. It is suitable for all the 3-phase hybrid stepper motor whose current is less than 5.6A. There are 16 kinds of microstep of 3DM683. The maximum step number of JK3DM683 is 51200 steps/rev (microstep is 1/256). Its current range is 3.2A-8.3A, and its output current has 8 stalls. JK3DM683 has automatic semi-flow, over-voltage, under voltage and over-current protection function.



● 应用

(Application)

适合各种中小型自动化设备和仪器,例如:雕刻机、打标机、切割机、激光照排、绘图仪、数控机床、自动装配设备等。在用户期望小噪声、高速度的设备中应用效果特佳。

Suitable for all kinds of small and medium sized automation equipment and instruments, such as: engraving machine, marking machine, cutting machine, laser lighting, plotter, cnc machine, automatic assembly equipment, etc. It use very well in the equipment that user expects small noise, and high speed.

● 使用环境及参数

(Using environment and parameters)

冷却方式	Cooling method	自然冷却或强制风冷	
使用环境 Using environment	场合 Occasion	不能放在其它发热的设备旁,要避免粉尘、油雾、腐蚀性气体,湿度太大及强振动场所,禁止有可燃气体和导电灰尘; Can not be placed next to other heating equipment, should avoid dust, oil mist, corrosive gas, too big humidity and strong vibration place, prohibit to have combustible gas and conductive dust.	
	温度 Temperature	-5°C~+50°C	-5°C~+50°C
	湿度 Humidity	40~90%RH	40~90%RH
	振动 Vibration	5.9m/s2MAX	5.9m/s2MAX
保存温度	Storage temperature	-20°C~80°C	
使用海拔	Using altitude	1000米以下	
重量	Weight	约 300 克	

● 电流设置

(Current selection)

Peak	RMS	SW1	SW2	SW3
Default		OFF	OFF	OFF
3.2A	2.3A	ON	OFF	OFF
4.0A	2.9A	OFF	ON	OFF
4.9A	3.5A	ON	ON	OFF
5.7A	4.1A	OFF	OFF	ON
6.4A	4.6A	ON	OFF	ON
7.3A	5.2A	OFF	ON	ON
8.3A	5.9A	ON	ON	ON

● 细分设置

(Microstep selection)

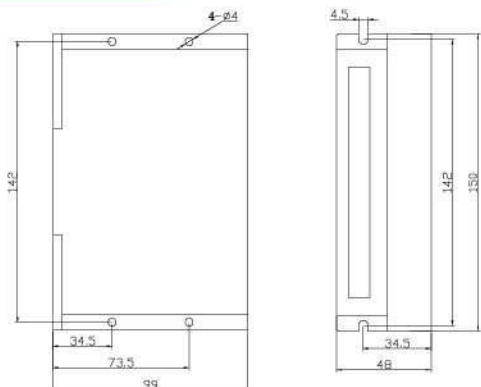
Pulse/Rev	SW5	SW6	SW7	SW8
Default	ON	ON	ON	ON
800	OFF	ON	ON	ON
1600	ON	OFF	ON	ON
3200	OFF	OFF	ON	ON
6400	ON	ON	OFF	ON
12800	OFF	ON	OFF	ON
25600	ON	OFF	OFF	ON
51200	OFF	OFF	OFF	ON
1000	ON	ON	ON	OFF
2000	OFF	ON	ON	OFF
4000	ON	OFF	ON	OFF
5000	OFF	OFF	ON	OFF
8000	ON	ON	OFF	OFF
10000	OF	ON	OFF	OFF
20000	ON	OFF	OFF	OFF
40000	OFF	OFF	OFF	OFF

Default:可根据用户订制脉冲数

Default: The pulse can be customized according to customers' requirements.

● 安装尺寸

(Installation dimension)



JK3DM860三相数字驱动器

JK3DM860 3 Phase Digital Stepper Motor Driver
for NEMA24, NEMA34 Stepper Motor

步进电机驱动器

Stepper motor driver

● 概述 (Descriptions)

JK3DM860是新一代高性能数字步进电机驱动器,采用32位DSP技术和最新数字式PID控制算法,内嵌微细分控制技术大幅度降低电机运转时的噪音和振动,具有低噪音、低振动、低温升等特点。

驱动器电压为直流24V-80V,适合电流在6.0A以下各种型号的三相混合式步进电机。其微步细分有16种,最大细分数为40000脉冲/转;平均工作电流范围为2.0A-6.0A,输出电流共有8档;具有自动半流、自检、过压、欠压和过流等保护功能。

The JK3DM860 is a new generation high-performance digital stepper driver based on DSP with advanced control algorithm. The motors driven by JK3DM860 can run with much smaller noise and much less vibration than other drivers in the market. The JK3DM860 possess the feature of lower noise, lower vibration, and lower heating. The JK3DM860's voltage is DC 24V-60V. It is suitable for all the 3-phase hybrid stepper motor whose current is less than 5.6A. There are 16 kinds of microstep of 3DM860. The maximum step number of JK3DM860 is 51200 steps/rev (microstep is 1/256). Its current range is 3.2A-8.3A, and its output current has 8 stalls. JK3DM860 has automatic semi-flow, over-voltage, under voltage and over-current protection function.



● 应用 (Application)

适合各种中小型自动化设备和仪器,例如:雕刻机、打标机、切割机、激光照排、绘图仪、数控机床、自动装配设备等。在用户期望小噪声、高速度的设备中应用效果特佳。

Suitable for all kinds of small and medium sized automation equipment and instruments, such as: engraving machine, marking machine, cutting machine, laser lighting, plotter, cnc machine, automatic assembly equipment, etc. It use very well in the equipment that user expects small noise, and high speed.

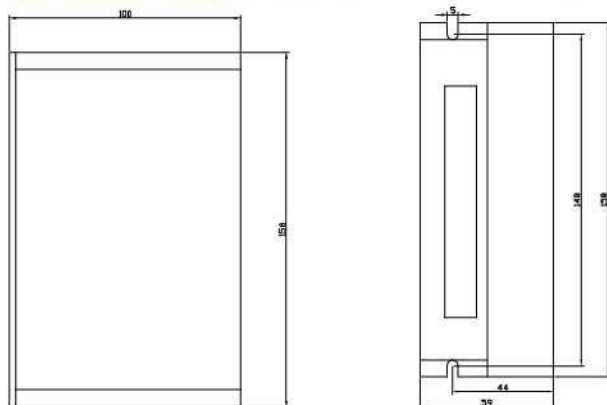
● 使用环境及参数 (Using environment and parameters)

冷却方式 Cooling method	自然冷却或强制风冷 Natural cooling or forced air cooling	
使用环境 Using environment	场合 Occasion	不能放在其它发热的设备旁,要避免粉尘、油雾、腐蚀性气体,湿度太大及强振动场所,禁止有可燃气体和导电灰尘; Can not be placed next to other heating equipment, should avoid dust, oil mist, corrosive gas, too big humidity and strong vibration place, prohibit to have combustible gas and conductive dust.
	温度 Temperature	-5°C~+50°C -5°C~+50°C
	湿度 Humidity	40~90%RH 40~90%RH
	振动 Vibration	5.9m/s2MAX 5.9m/s2MAX
保存温度 Storage temperature	-20°C~80°C -20°C~80°C	
使用海拔 Using altitude	1000米以下 Below 1000 metres	
重量 Weight	约 600 克 About 600 g	

● 电流设置 (Current selection)

REF	Peak	SW1	SW2	SW3
2.00A	2.40A	on	on	on
2.57A	3.08A	off	on	on
3.14A	3.77A	on	off	on
3.71A	4.45A	off	off	on
4.28A	5.14A	on	on	off
4.86A	5.83A	off	on	off
5.43A	6.52A	on	off	off
6.00A	7.20A	off	off	off

● 安装尺寸 (Installation dimension)



● 细分设置 (Microstep selection)

Pulse/Rev	SW5	SW6	SW7	SW8
Default	on	on	on	on
400	off	on	on	on
800	on	off	on	on
1600	off	off	on	on
3200	on	on	off	on
6400	off	on	off	on
12800	on	off	off	on
25600	off	off	off	on
1000	on	on	on	off
2000	off	on	on	off
4000	on	off	on	off
5000	off	off	on	off
8000	on	on	off	off
10000	off	on	off	off
20000	on	off	off	off
40000	off	off	off	off

Default:可根据用户订制脉冲数

Default: The pulse can be customized according to customers' requirements.

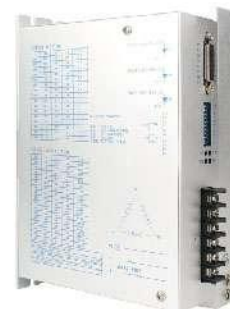
JK3MD2207三相混合式数字 3 phase digital hybrid stepper motor driver

步进电机驱动器 Stepper motor driver

● 概述 (Descriptions)

JK3MD2207两相混合式步进电机驱动器,采用交流110V~220V,适合驱动电流小于7.0A, 外径在110mm,130mm的三相混合式步进电机使用。电机低速运行平稳,高速力矩稳定。广泛适合于各类CNC机械,机器人,切割机,包装机,绘图仪,雕刻机等。

JK3MD2207 is a type of 2 phase hybrid stepper motor driver, this driver input voltage is 110V~220V AC. suit for current less 7.0A, diameter is 110mm, 130mm 3 phase hybrid stepper motor. the motor run smoothly. It is widely used in CNC machine, robots, cutting machine, packing machine, plotter, engraving machine and so on.



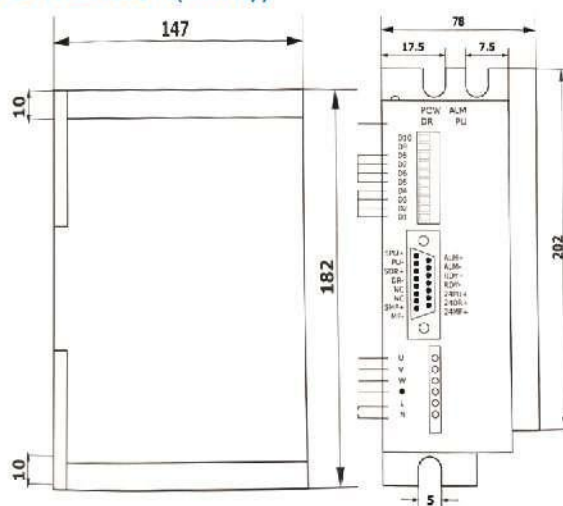
● 特点 (Features)

- *交流110V~220V
- *光电隔离信号输入、输出
- *有过压、欠压、过流、相间短路保护功能
- *十六档细分和自动半流功能
- *十六档输出相电流设置
- *步进电机噪音,发热,共振等实现革命性突破
- *主要适合驱动110mm 和130mm两相步进电机
- *Supply voltage from 110VAC~220VAC
- *Opto-isolated signal I/O
- *Overvoltage, under voltage, overcurrent, phase short circuit protection
- *16 channels subdivision and automatic idle-current reduction
- *16 channels output phase current setting
- *low noise ,low hot
- *Mainly for 110mm and 130mm 3 phase stepper motor

● 性能指标 (Mechanical Specification)

输入电压 Input Voltage	交流110V~220V 110~220V AC
输出电流 Output current	1.3A~7.0A 1.3A~7.0A
温度 Temperature	工作温度-10°~45°,存放温度-20°~125° Working temperature -10°~45°,stocking temperature ~20°~70°
环境湿度 Humidity	不凝露,不结霜 Not condensation , no water droplets
气体 Gas	禁止有可燃气体和导电灰尘 Prohibition of combustible gases and conductive dust
重量 Weight	2300克 2300g

● 外形尺寸 (Mechanical Dimension(mm))



JK-HSD57两相闭环电机驱动器

JK-HSD57 2phase closed loop stepper motor driver (easy servo driver)

步进电机驱动器

Stepper motor driver

● 概述 (Descriptions)

JK-HSD57是我公司基于多年低压伺服系统经验研制开发的一款新型低压步进伺服产品,本产品采用了最新DSP数字处理芯片和先进的变电流和变频控制算法技术,为设备制造商提供了一种高性价比的步进伺服驱动解决方案。SC5780结构紧凑,体积小巧,节省空间,减低了线间的电磁干扰;采用了更优振动技术和低发热技术,有效的解决了电机和驱动器的发热、振动和噪声等问题,且发热低,绿色环保。

● 特点 (Features)

- 工作电压:直流输入电压20VDC~75VDC,推荐工作电压36V。
- 连续输出电流最大值8.2A,最大峰值电流13A(先进的步进伺服过载能力)。
- 可接受差分 and 单端式脉冲/方向指令,具有位置/速度/力矩三种控制模式。
- 采用FOC磁场定位控制技术和空间矢量脉宽调制(SVPWM)闭环控制技术。
- 采用了先进的变电流技术和变频技术,有效的降低了电机和驱动器的发热。
- 每圈脉冲数可通过调试软件或拨码设定(细分)。
- 具有过压、欠压、过流和超差等保护功能。
- 单/双脉冲模式、脉冲有效沿可选。
- 控制指令最大脉冲频率为500KHz(出厂默认为200KHz)。
- 脉冲,方向和使能信号输入接口电平为4.5-28V兼容。
- 具有串口RS232调试功能,但需使用本公司专用的串口调试线缆。
- 性能:速度平稳,超调小,跟踪误差小,电机和驱动器低发热。

● 应用 (Application)

适合各种中小型自动化设备和仪器,例如:雕刻机、打标机、切割机、激光照排、绘图仪、数控机床、自动装配设备等。在用户期望小噪声、高速度的设备中应用效果特佳。

Suitable for all kinds of small and medium sized automation equipment and instruments, such as: engraving machine, marking machine, cutting machine, laser lighting, plotter, cnc machine, automatic assembly equipment, etc. It use very well in the equipment that user expects small noise, and high speed.

电气指标和工作环境 / Electrical, mechanical and environmental indicators:

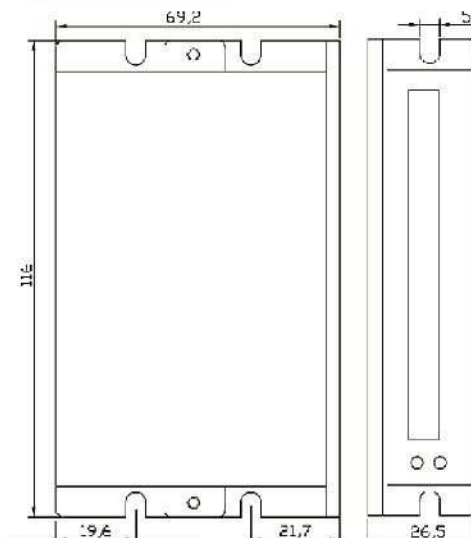
Parameter	Min	Typical	Max	Unit
Input Voltage	20	36 48	50	VDC
Output Current	0.1	-	10(Peak)	A
Pulse Input Frequency	0	-	200	kHz
Logic Signal Current	7	10	16	mA
Isolation Resistance	500	-	-	MΩ

Operating Environment:

Cooling	Natural Cooling or Forced cooling	
Operating Environment	Environment	Avoid dust, oil fog and corrosive gases
	Storage Temperature	-20°C—65°C(-4°F—149°F)
	Ambient Temperature	0°C—50°C(32°F—122°F)
	Humidity	40%RH—90%RH
Operating Temperature (Heat Sink)	Operating Temperature	70°C(158°F) Max
	Weight	300 g



● 安装尺寸 (Installation dimension)



JK-HSD86两相闭环电机驱动器

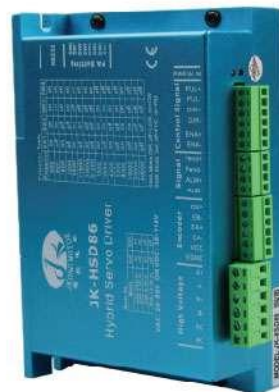
JK-HSD86 2phase closed loop stepper motor driver (easy servo driver)

步进电机驱动器

Stepper motor driver

概述 (Descriptions)

JK-HSD86是我公司基于多年低压伺服系统经验研制开发的一款新型低压步进伺服产品,本产品采用了最新DSP数字处理芯片和先进的变电流和变频控制算法技术,为设备制造厂商提供了一种高性价比的步进伺服驱动解决方案。SC5780结构紧凑,体积小,节省空间,减低了线间的电磁干扰;采用了更优振动技术和低发热技术,有效的解决了电机和驱动器的发热、振动和噪声等问题,且发热低,绿色环保。



特点 (Features)

- 工作电压: 交流, 直流通用, 交流输入电压24~80VAC, 推荐工作电压60VAC。
- 连续输出电流最大值8.0A (先进的步进伺服过载能力)。
- 可接受差分 and 单端式脉冲/方向指令, 具有位置/速度/力矩三种控制模式。
- 采用FOC磁场定位控制技术和空间矢量脉宽调制(SVPWM)闭环控制技术。
- 采用了先进的变电流技术和变频技术, 有效的降低了电机和驱动器的发热。
- 每圈脉冲数可通过调试软件或拨码设定(细分)。
- 具有过压、欠压、过流和超差等保护功能。
- 单/双脉冲模式、脉冲有效沿可选。
- 控制指令最大脉冲频率为500KHz(出厂默认为200KHz)。
- 脉冲, 方向和使能信号输入接口电平为4.5-28V兼容。
- 具有串口RS232调试功能, 但需使用本公司专用的串口调试线缆。
- 性能: 速度平稳, 超调小, 跟踪误差小, 电机和驱动器低发热。

应用 (Application)

适合各种中小型自动化设备和仪器, 例如: 雕刻机、打标机、切割机、激光照排、绘图仪、数控机床、自动装配设备等。在用户期望小噪声、高速度的设备中应用效果特佳。

Suitable for all kinds of small and medium sized automation equipment and instruments, such as: engraving machine, marking machine, cutting machine, laser lighting, plotter, cnc machine, automatic assembly equipment, etc. It use very well in the equipment that user expects small noise, and high speed.

电气指标和工作环境 / Electrical, mechanical and environmental indicators:

Parameter	Min	Typical	Max	Unit
Input Voltage	24VAC	60AC	80VAC 100VDC	VVDC
Output Current	0.1	-	10(Peak)	A
Pulse Input Frequency	0	-	200	KHz
Logic Signal Current	7	10	16	mA
Isolation Resistance	500	-	-	MΩ

Operating Environment:

Cooling	Natural Cooling or Forced cooling	
Operating Environment	Environment	Avoid dust, oil fog and corrosive gases
	Storage Temperature	-20°C—65°C(-4°F—149°F)
	Ambient Temperature	0°C—50°C(32°F—122°F)
	Humidity	40%RH—90%RH
	Operating Temperature (Heat Sink)	70°C(158°F) Max
Weight	300 g	

安装尺寸 (Installation dimension)

