

DC motor gear motor Motor

Product Description

Low noise
High torque
Stable performance
CAN corotation, reversal
Precious metals strong magnetic

(Coil resistance) 30 ohm+-10%
(NO. Of Phases) 2 PHASES
(Step Angle) 18 degrees / Step
(MAX.Starting Frequency) 900PPS min
(MAX.Slewing Frequency) 1200 PPS min
(Pull IN Torque) 6gf-cm min
(Lead Out torque) 10gf-cm min

With a variety of reduction ratio gear reducer,
Its torque is proportional to the increase accordingly!
Features: the lower the reduction ratio stepper Angle is larger,
The smaller the torsion
The greater the reduction ratio The smaller the step Angle,
The greater the torque!

Specifications

1.Standard Operating Conditions

1-1 Rated Voltage:**5v**.

1-2 Direction of Rotation:**CW** when viewed from output shaft side

1-3 Operating Temperature and Humidity: Temperature range of **-10C~+50C**, Humidity range of **30%~80%**.

1-4 Storage Temperature: Temperature range of **-20C~+60C**

2.Measuring Conditions:

2-1 Motor Position: To be place t horizontally when measuring

2-2 Power Supply: Regulated DC power supply

--No load speed:**8-300rpm**.

--Robotics, Small Appliance, Fanner, Electric Curtain;

--Medical Pump, Surgery Tools, Medical Stirrer, centrifugal Machine; Electric Valve, Actuator, medical device

--Electric motor, low noise, low current and no spark.

Specification

coil resistance	30Ω+-10%
No. of phases	2phases
step angle	18'/step
Max.slewing frequency	1200pps min
Max.starting frequency	900pps min
pull in torque	6gf-cm min
lead out torque	10gf-cm min

电机类型：二相四线直流步进减速电机 GM15BYS电机 步进精控 无刷寿命长

步进电机原始参数DC5.0V测试（未带减速机构的基本参数）连续空转寿命≥3000小时

Number of Phase 相数	2 Phase 二相四线	Pull Out Torque 牵出转矩	At 1000PPS 5VDC 4gf.cm Min
Excitation Method 驱动方式	Bipolar 2-2 Phase	Max. No Load Response 最大自起励周波数	1000HZ Min
Step Angle 步距角	18 °±7%	Max. Slew Speed 最大应答周波数	800HZ Min
Resistance Per Phase 每相阻值	30Ω±7%	Temperature Rise 温度升高	空载 1000HZ驱动 Max. 105 °C
Holding Torque 保持转矩	At 0 Hz 5VDC 5gf.cm Min	Insulation class 绝缘等级	漆包线F级 coil Class F

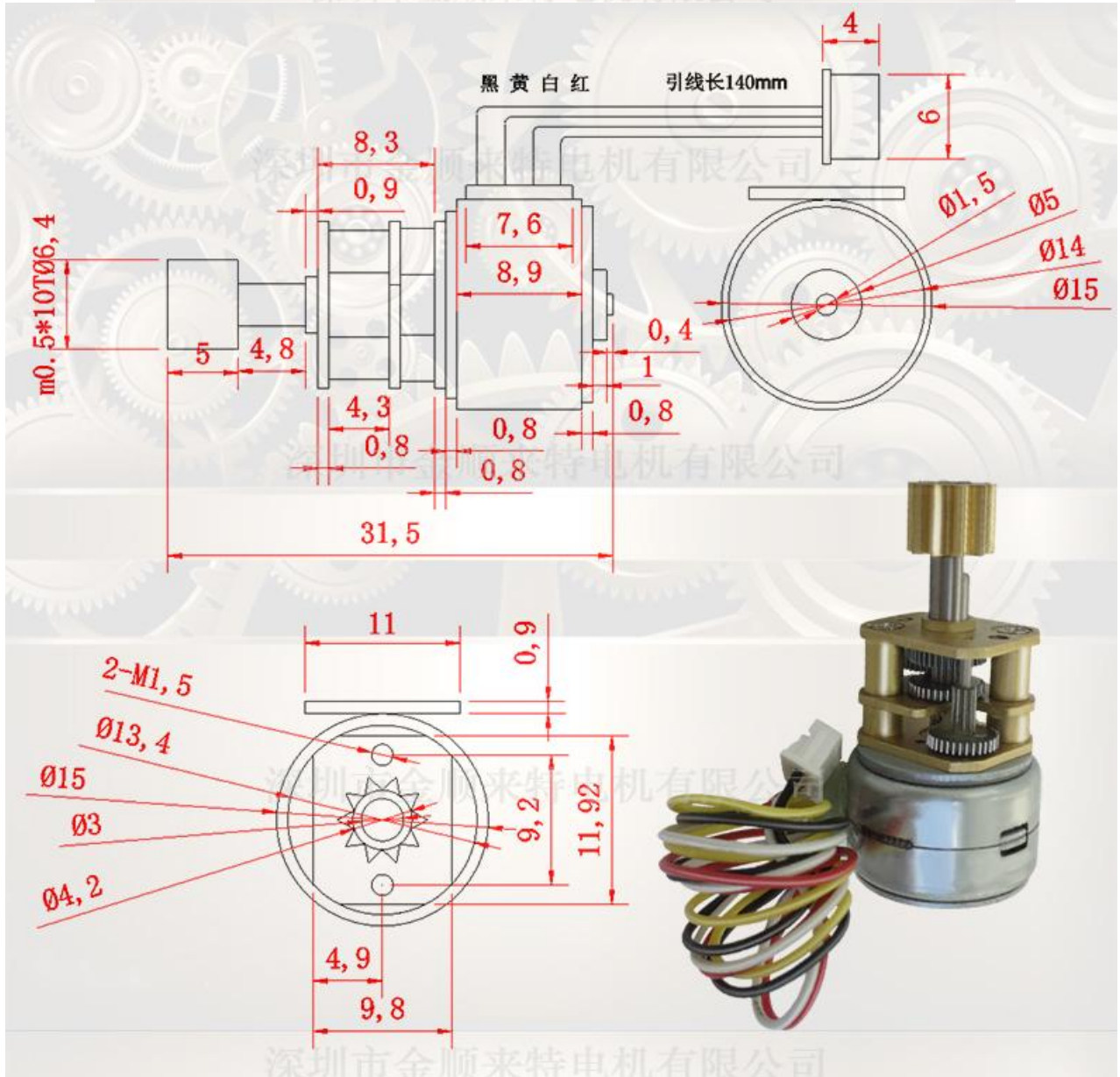
额定电压DC5.0V驱动时候 标准测试规格参数表（步进电机需要驱动器驱动）

测试标准以1000HZ（即1000 PPS 为标准）

减速比（变比）	1:10	1:30	1:50	1:100	1:150	1:210	1:298	1:380
空载电流 MA	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
空载转速 rpm	300	100	60	30	20	14	10	8
Pull Out Torque 牵出转矩g.cm	40	120	200	400	600	840	1200	1500
Step Angle 步距角(度)	1.8	0.6	0.36	0.18	0.12	0.086	0.06	0.047



深圳市金顺来特电机有限公司



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