

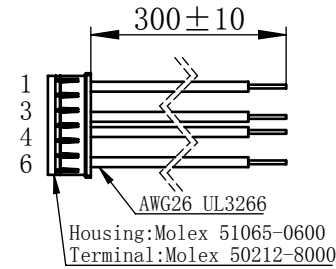
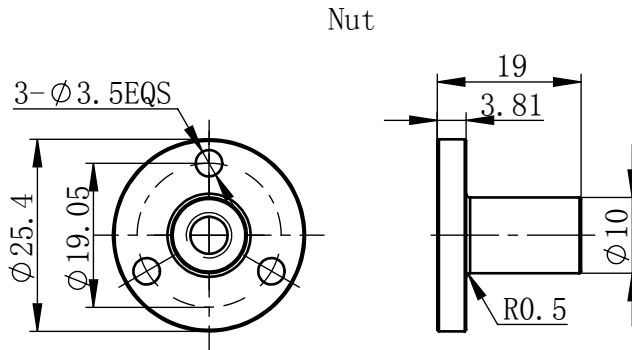
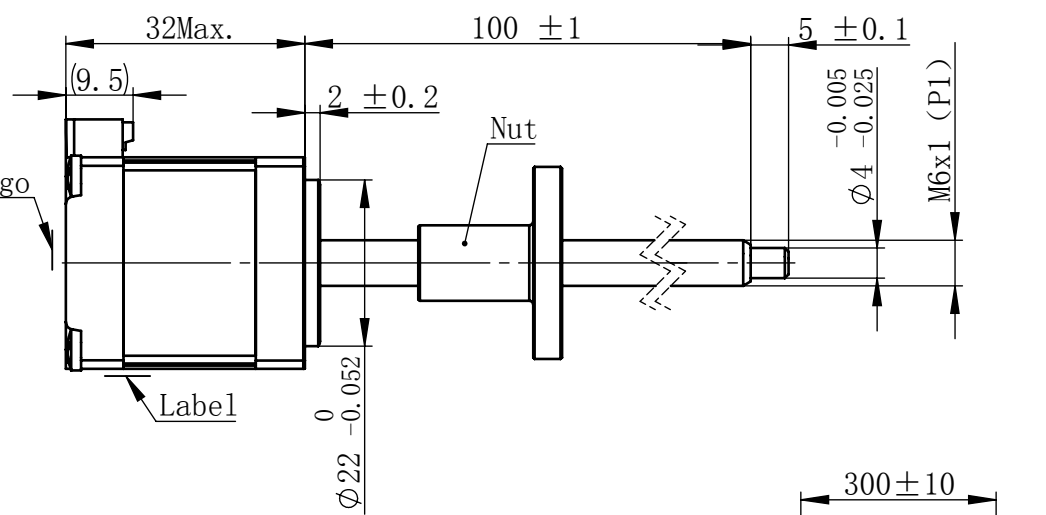
Unit: mm

规格 Specifications

1	相数 Number Of Phase	2
2	步长 Linear Travel/Step	0.005 mm (1.8°)
3	额定电压Rated Voltage	5.5 V DC
4	额定电流 Rated Current	0.5 Amp
5	额定推力 Rated Thrust	47 N(@300rpm, rated current)
6	相电阻 Phase Resistance	10.9 ohm±10% (20℃)
7	相电感 Phase Inductance	9.7 mH±20% (1kHz 1V rms)
8	转子惯量 Rotor Inertia	9 gcm ²
9	重量 Weight	0.1 Kg
10	绝缘等级 Insulation Class	B(130℃)
11	丝杠直径 Screw Diameter	6 mm
12	丝杠导程 Lead	1 mm

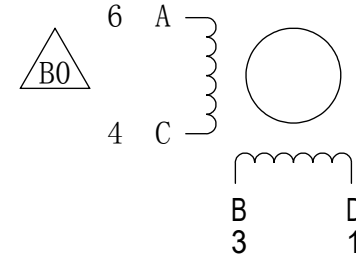
版本变更

版本	变更说明	签名	日期
B0			



Pin No.	颜色 Colour
1	黑 BLA
3	绿 GRN
4	红 RED
6	蓝 BLU

接线图 Wiring Diagram



励磁顺序 vs. 旋转方向 Exciting Sequence vs. Direction of Rotation

STEP	A	B	C	D	
1	+	+	-	-	↑ CCW
2	-	+	+	-	
3	-	-	+	+	
4	+	-	-	+	

CW

从安装面看为顺时针方向
Clockwise view from
mounting side

电机标签 Motor label

LEAD SCREW MOTOR
11E3205W1-100-G
XXXXXXX

批次号

备注Note:
螺纹丝杆及螺母在正常使用过程中,
若有少许粉尘掉落为正常现象。
It's normal phenomenon if there is a little dust
fall off when using the lead screw and nut.

未标注线性尺寸和公差
Tolerance for linear and dimensions
without individual tolerance indications
GB/T 1804-M eqv ISO 2768-1:M

未标注形状与位置尺寸公差
Geometrical tolerance for features
without individual tolerance indications
GB/T 1184-K eqv ISO 2768-2:K

- I. 请避免螺母脱离丝杠
Keep nut on screw.
- II. 非专业人士请勿拆解电机
Avoid disassembly without
qualification.

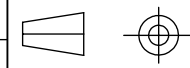
设计
Design

校核
Check

工艺
Process

标准化
Standard

批准
Approve



First Angle Method

材料
Material

总图

Page 1 of 1

版本
Version



www.hdbmotors.com

比例 Scale	零件名 Part Name	直线步进电机
1:1	型号 Model NO.	11E3205W1-100-G
	物料号 Material NO.	