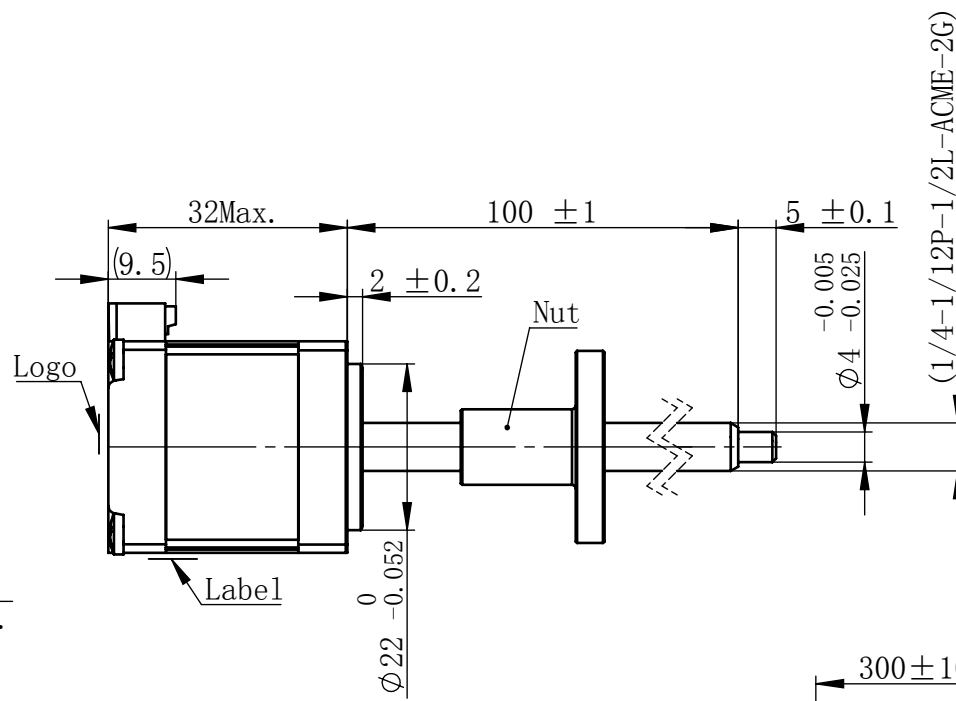
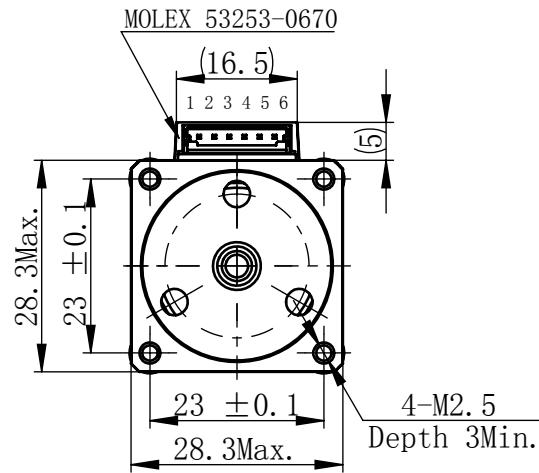
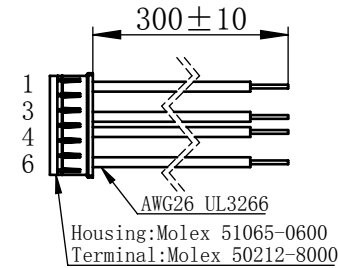
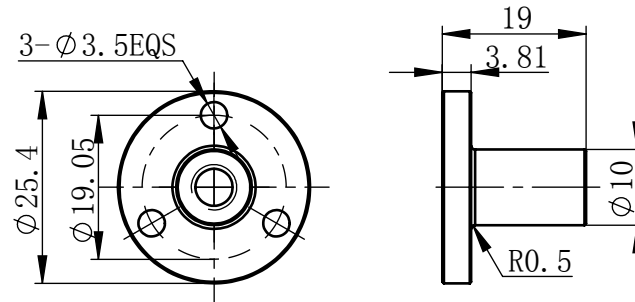


Unit: mm



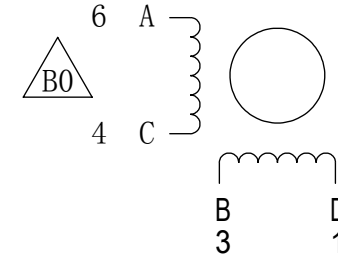
Nut



连接器针位vs. 引线颜色  
Pin No. vs. Lead Wire Colour

| 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  
11E3205E19-100-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.

## 规格 Specifications

|    |                       |                             |
|----|-----------------------|-----------------------------|
| 1  | 相数 Number Of Phase    | 2                           |
| 2  | 步长 Linear Travel/Step | 0.0635 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     | 6 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 <sup>2</sup>          |
| 9  | 重量 Weight             | 0.1 Kg                      |
| 10 | 绝缘等级 Insulation Class | B(130℃)                     |
| 11 | 丝杠直径 Screw Diameter   | 6.35 mm                     |
| 12 | 丝杠导程 Lead             | 12.7 mm                     |

## 版本变更

| 版本 | 变更说明 | 签名 | 日期 |
|----|------|----|----|
| B0 |      |    |    |

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<br>Scale | 零件名<br>Part Name    | 直线步进电机           |
|-------------|---------------------|------------------|
| 1:1         | 型号<br>Model NO.     | 11E3205E19-100-G |
|             | 物料号<br>Material NO. |                  |