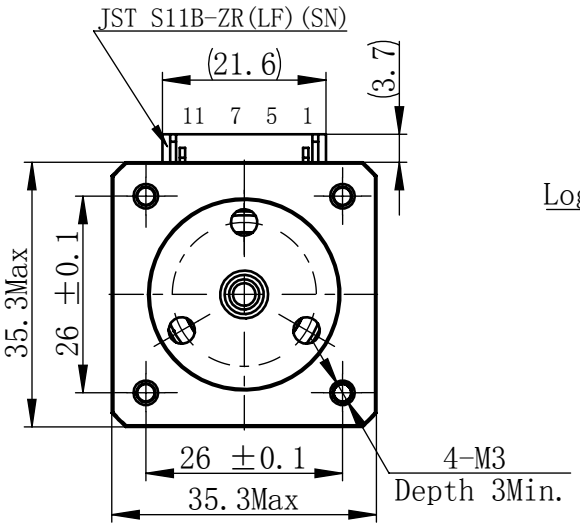
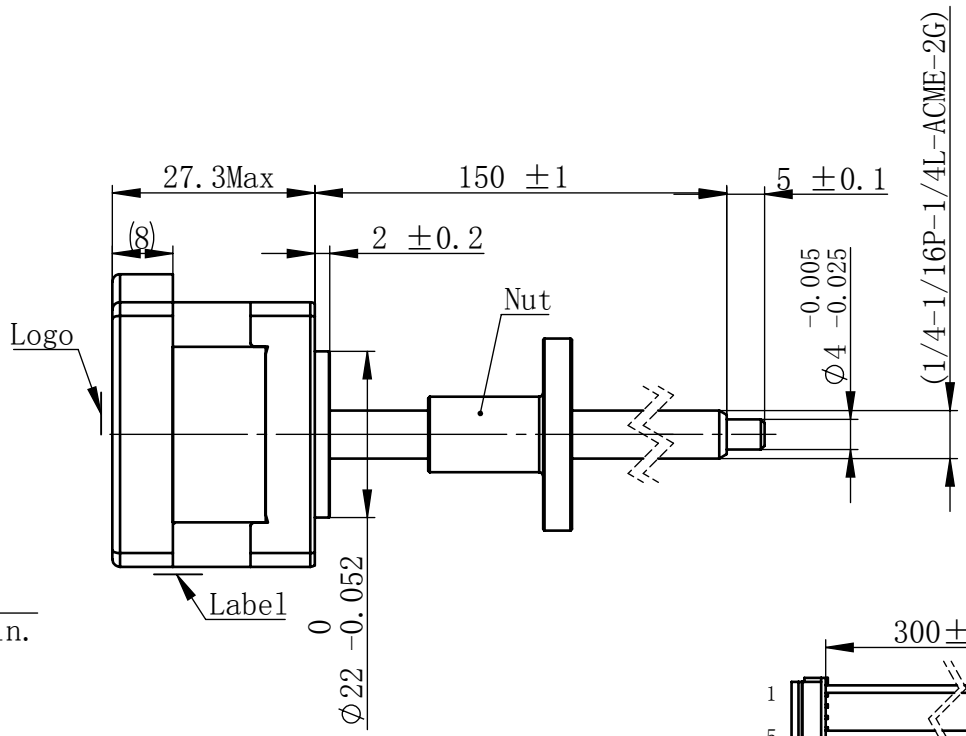
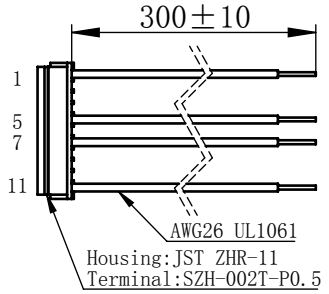
物料号 Material NO. 4611110029831

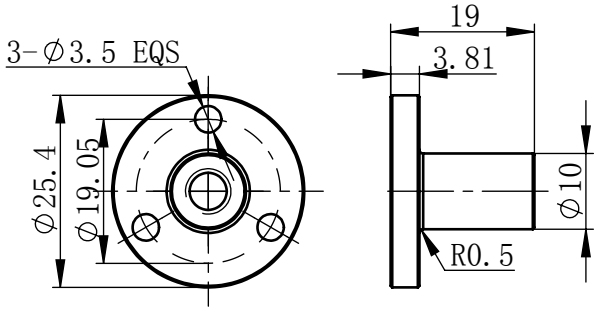
Unit: mm



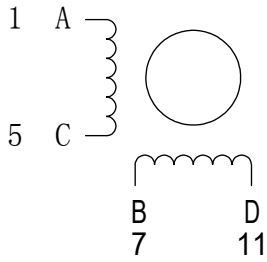




Nut




## 接线图 Wiring Diagram




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

CCW

| STEP | A | B | C | D |
|---|---|---|---|---|
| 1 | + | + | − | − |
| 2 | − | + | + | − |
| 3 | − | − | + | + |
| 4 | + | − | − | + |

CW

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

## 规格 Specifications

| | | |
|---|---|---|
| 1 | 相数 Number Of Phase | 2 |
| 2 | 步长 Linear Travel/Step | 0.03175 mm（1.8° ） |
| 3 | 额定电压Rated Voltage | 3.1 V DC |
| 4 | 额定电流 Rated Current | 1 Amp |
| 5 | 额定推力 Rated Thrust | 20 N(@300rpm,rated current) |
| 6 | 相电阻 Phase Resistance | 3.1 ohm±10%（20℃） |
| 7 | 相电感 Phase Inductance | 3.7 mH±20%（1kHz 1V rms） |
| 8 | 转子惯量 Rotor Inertia | 12 gcm^2 |
| 9 | 重量 Weight | 0.15 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 | 6.35 mm |

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

| Pin No. | 颜色 Colour |
|---|---|
| 1 | 黑 BLA |
| 5 | 绿 GRN |
| 7 | 红 RED |
| 11 | 蓝 BLU |

## 电机标签 Motor label

LEAD SCREW MOTOR
LE141S-E06063-150-AR1-S-100
XXXXXXXX

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.

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

未标注线性尺寸和公差
Tolerance for linear and dimensions without individuel 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 individuel 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 Avoide disassembly without qualification.

| | | |
|---|---|---|
| 设计 Design | 杨淑娟 | |
| 校核 Check | | |
| 工艺 Process | | |
| 标准化 Standard | | |
| 批准 Approve | | |

First Angle Method

PBC MOONS' 上海市闵行区鸣嘉路168号
上海鸣志派博思自动化技术有限公司 (021)52634688

| | | | |
|---|---|---|---|
| 材料 Material | 总图 | 比例 Scale | 1:1 |
| | | 零件名 Part Name | 直线步进电机 |
| | | 型号 Model NO. | LE141S-E06063-150-AR1-S-100 |
| Page 1 of 1 | | 版本 Version | A0 |
| | | 物料号 Material NO. | 4611110029831 |