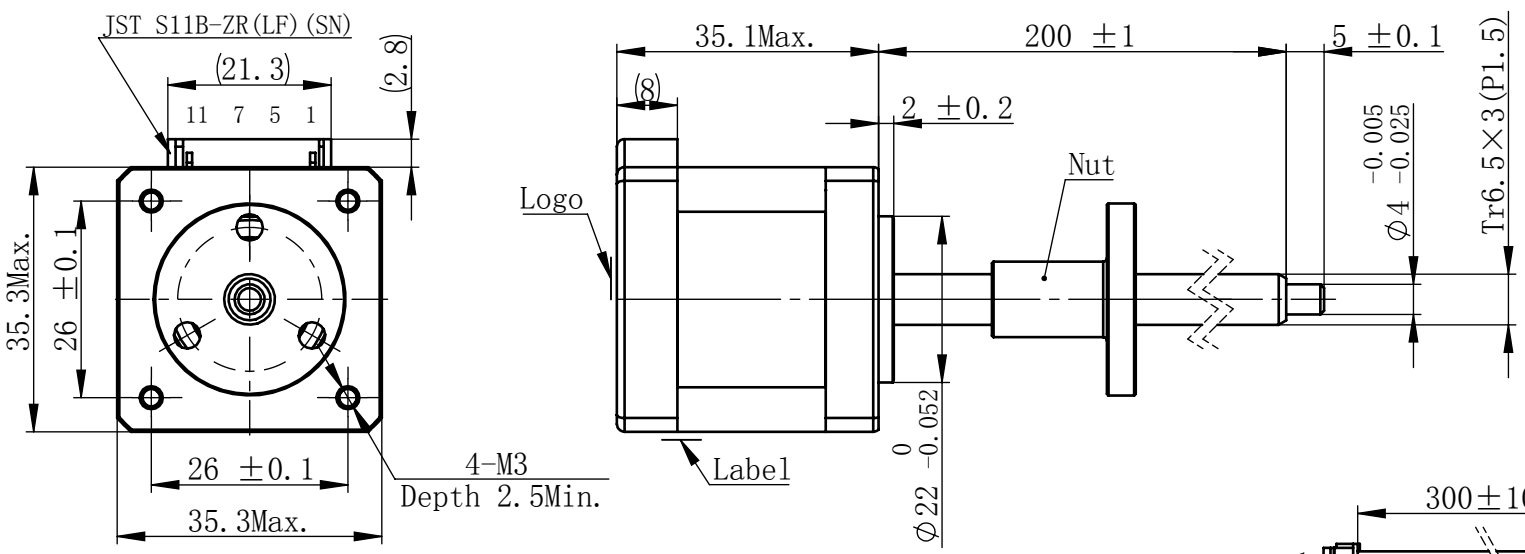
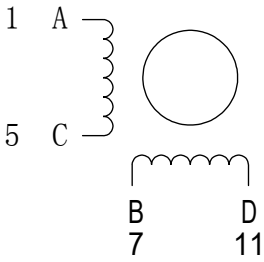
物料号 Material NO. 4611110029553

Unit: mm





接线图 Wiring Diagram

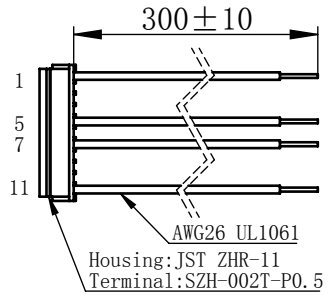
励磁顺序 vs.旋转方向 Exciting Sequence vs. Direction of Rotation

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

CCW

CW

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



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

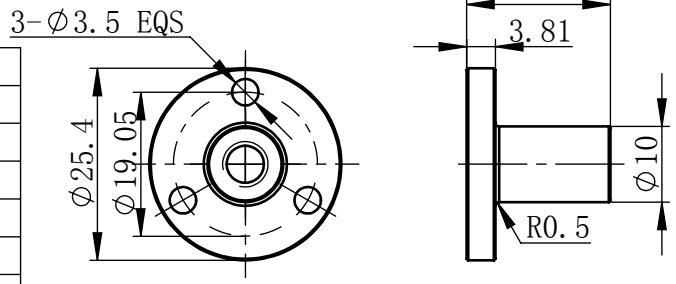
LEAD SCREW MOTOR
LE143S-T6503-200-AR1-S-050
XXXXXXXX

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.

规格 Specifications

1	相数 Number Of Phase	2
2	步长 Linear Travel/Step	0.015 mm (1.8°)
3	额定电压Rated Voltage	7.55 V DC
4	额定电流 Rated Current	0.5 Amp
5	额定推力 Rated Thrust	40 N(@300rpm,rated current)
6	相电阻 Phase Resistance	15.1 ohm±10% (20℃)
7	相电感 Phase Inductance	25 mH±20% (1kHz 1V rms)
8	转子惯量 Rotor Inertia	20 gcm^2
9	重量 Weight	0.21 Kg
10	绝缘等级 Insulation Class	B(130℃)
11	丝杠直径 Screw Diameter	6.7 mm
12	丝杠导程 Lead	3 mm



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	张明生	
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.	LE143S-T6503-200-AR1-S-050
Page 1 of 1		版本 Version	A0
		物料号 Material NO.	4611110029553