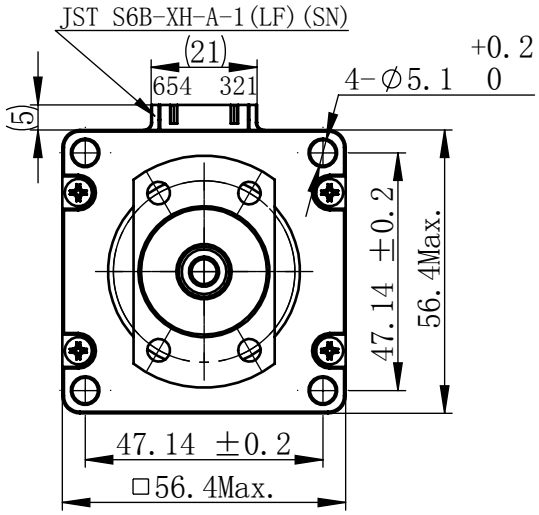
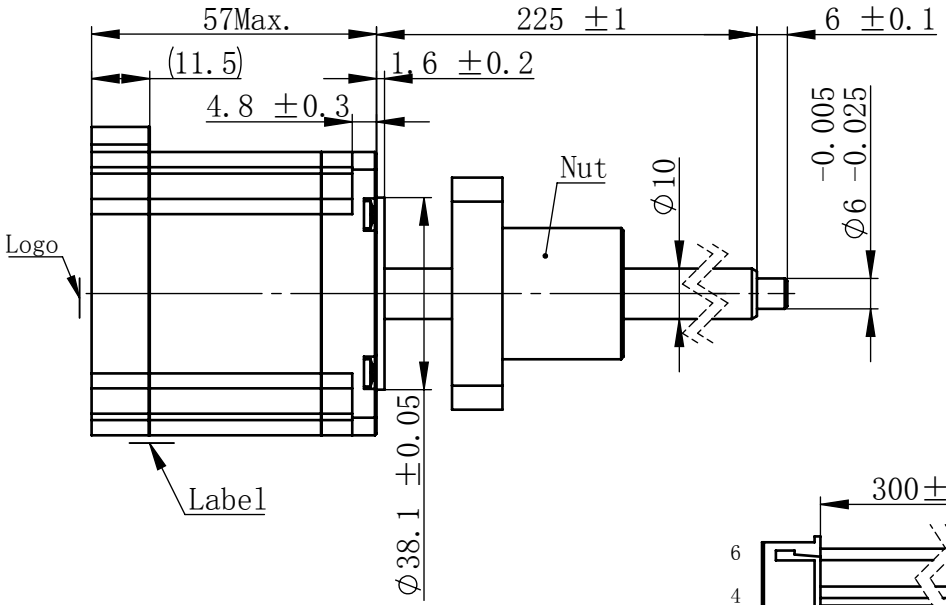
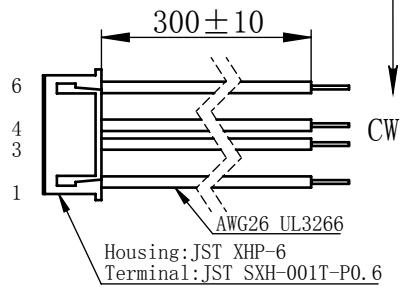
物料号 Material NO. 4611110032938

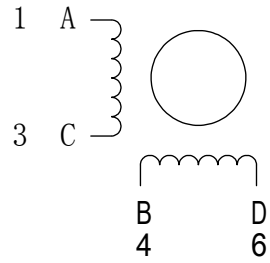
Unit: mm







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

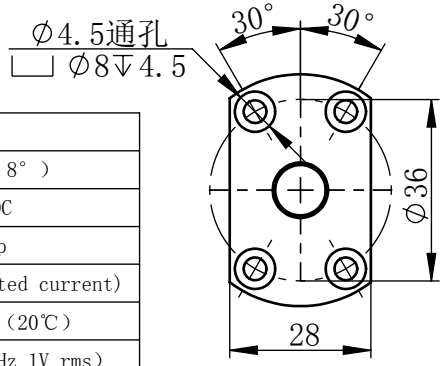
电机标签 Motor label

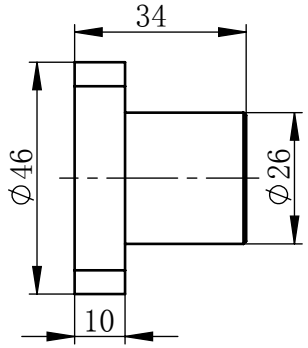
BALL SCREW MOTOR
BE238S-B1004-225-AK2-S-220
XXXXXXXX

批次号

规格 Specifications

1	相数 Number Of Phase	2
2	步长 Linear Travel/Step	0.02 mm (1.8°)
3	额定电压Rated Voltage	3.5 V DC
4	额定电流 Rated Current	2.2 Amp
5	额定推力 Rated Thrust	304 N(@300rpm,rated current)
6	相电阻 Phase Resistance	1.6 ohm±10% (20℃)
7	相电感 Phase Inductance	7.2 mH±20% (1kHz 1V rms)
8	转子惯量 Rotor Inertia	260 gcm^2
9	重量 Weight	0.6 Kg
10	绝缘等级 Insulation Class	B(130℃)
11	丝杠直径 Screw Diameter	10 mm
12	丝杠导程 Lead	4 mm





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

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

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	2019/4/17
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	零件名 Part Name: 直线步进电机
		2:3	型号 Model NO.: BE238S-B1004-225-AK2-S-220
Page 1 of 1		版本 Version: A0	物料号 Material NO.: 4611110032938