Downloaded from Arrow.com.

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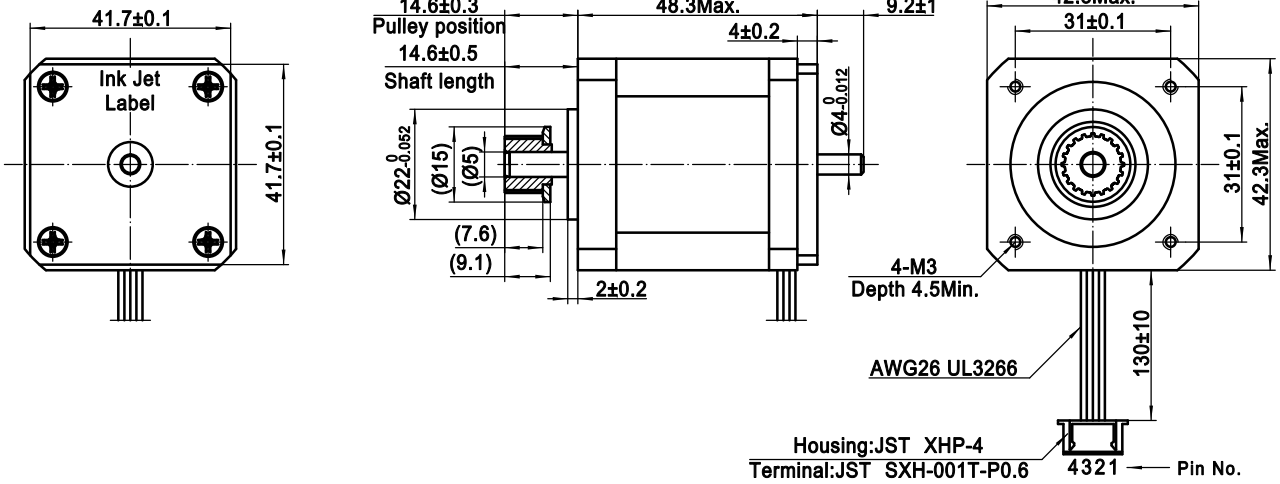
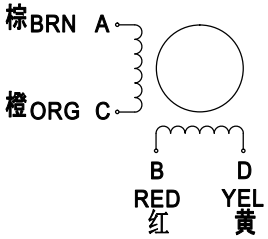


接线图
Wiring Diagram



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

PIN No.	颜色 Colour
1	橙 Orange
2	棕 Brown
3	黄 Yellow
4	红 Red

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

规格 Specifications

1. 相数 Number of Phase	2
2. 步距角 Step Angle	0.9°
3. 额定电压 Rated Voltage	5.1V DC
4. 额定电流 Rated Current	1Amp
5. 保持力矩 Holding Torque	610mNm Typ.(Two phase on/rated current)
6. 相电阻 Phase Resistance	5.1ohm±10%(20°C)
7. 相电感 Phase Inductance	18mH±20%(1kHz 1V rms)
8. 转子惯量 Rotor Inertia	82gcm^2
9. 电机重量 Motor Weight	0.36kg
10. 绝缘等级 Insulation Class	B(130°C)

带轮规格 Pulley Specification

齿型 Profile	MXL
齿数 Number of Teeth	20
节距 Pitch	2.032
节圆 Pitch Diameter	Ø12.94
齿顶圆 Outside Diameter	$Ø12.43^{+0.05}_{0}$
材料 Material	HPb59-1

铭牌 Label Detail

MOONS' STEPPING MOTOR
TYPE MS17HA6L4100-03
XXXXXXXX YY/MM/DD

Work Order 加工单号
Date Format 日期格式

REV.	版本记录 REVISION RECORD	DATE
A	原始版本 Original revision	2018.03.15

Unit: mm
第一角画法 FIRST ANGLE METHOD
未注线性与角度尺寸公差 Tolerances for linear and angular dimensions without individual tolerance indications GB/T 1804-m eqv ISO 2768-1□m
未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

UNLESS OTHERWISE SPECIFIED

NAMES	SIGNATURE	DATE
批准 Approve		
标准化 Standard		
工艺 Technology		
审核 Check		
设计 Design	陈彪	2018.03.15

MOONS' Hybrid Stepping Motor
Shanghai Moons' Electric Co., Ltd.

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Type: MS17HA6L4100-03 | Rev.A | SCALE 1:1 | Sheet 1 of 1