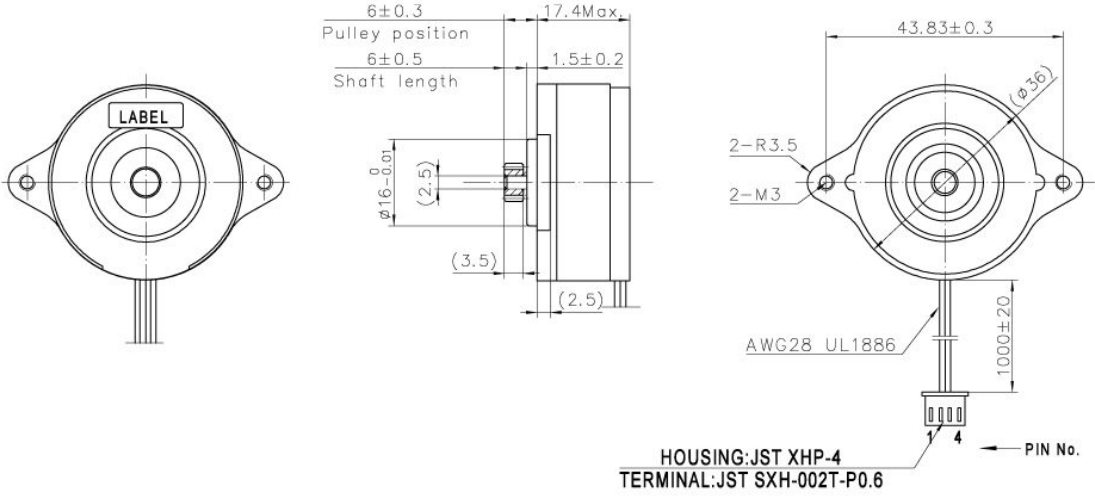




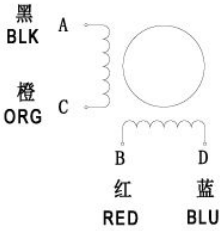
# Motor Size



Pin No. vs. Lead Wire Colour

Exciting Sequence vs. Direction of Rotation

Wiring Diagram



PIN No.	颜色 Colour
1	蓝 BLU
2	红 RED
3	橙 ORG
4	黑 BLK

STEP	A	B	C	D	
1	+	+	-	-	CCW ↑
2	-	+	+	-	
3	-	-	+	+	
4	+	-	-	+	

↓ CW

Clockwise view from mounting side

## Specifications

1. 相数 Number of Phase	2
2. 步距角 Step Angle	$1.8^\circ$
3. 额定电压 Rated Voltage	1.9V DC
4. 额定电流 Rated Current	1A
5. 保持力矩 Holding Torque	100mNm Typ. (Two phases on rated current)
6. 相电阻 Phase Resistance	$1.9 \Omega \pm 10\%$ ( $20^\circ\text{C}$ )
7. 相电感 Phase Inductance	$1.41\text{mH} \pm 20\%$ (1kHz 1V rms)
8. 转子惯量 Rotor Inertia	$9\text{gcm}^2$
9. 电机重量 Motor Weight	85g
10. 绝缘等级 Insulation Class	B( $130^\circ\text{C}$ )

## Gear Specification

齿型 Profile	渐开线 Involute
模数 Module	$m=0.5$
齿数 Number of Teeth	$Z=8$
压力角 Pressure Angle	$a=20^\circ$
齿顶圆直径 Outside DIA	$da=6$
分度圆直径 Pitch DIA	$d=5$
材料 Material	SUS303

