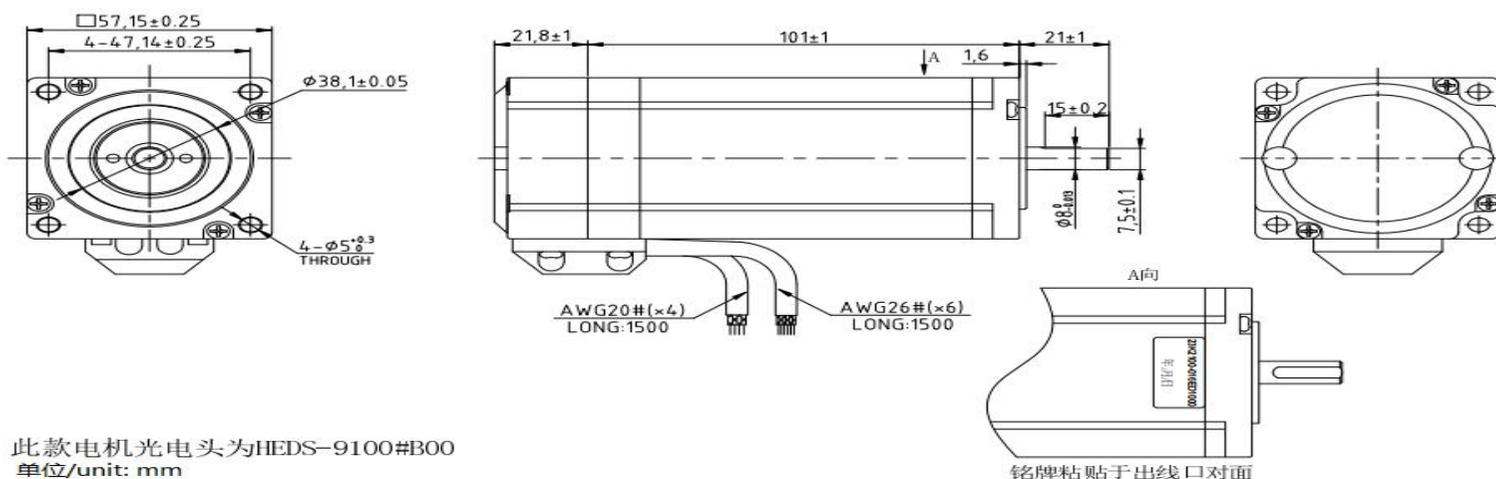


Closed-loop stepper motor 57CLM23-1000



编码控制(1000线) Encode Control (1000CPR)

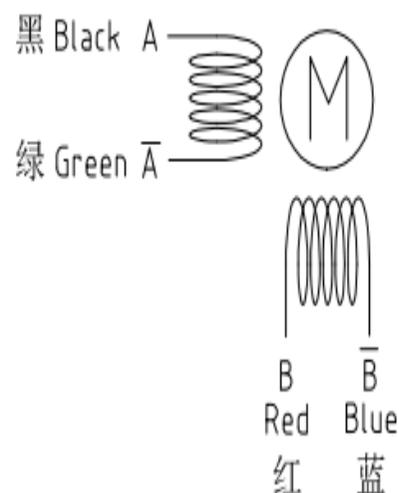
1	Black	EGND
2	Red	+5VCC
3	Blue/ White	EA-
4	Bule Orange/ White	EA+
5	Orange	EB-
6	Orange	EB+

注：此款电机光电头为HEDS-9100#B00
单位/unit: mm

电动机规格书/Motor Specification

相数/Number Of Phase	2
基本步距角/Basic Step Angle	1.8°
基本步距角误差(空载)/Positional Accuracy(no-load)	±0.09°以下/Max
额定电流(相)/Rated Current(Phase)	5.0A
电阻(相)/Resistance(Phase)@20°C	0.45Ω±10%
电感(相)/Inductance(Phase)@1KHz	2.3mH±20%
保持力矩/Holding Torque	2.3 N.m
转子惯量/Rotor Inertia	≈720g·cm ²
质量/Mass	≈1.4Kg
径向跳动(最大)/Radial Play(Max)	0.025mm(Load/负载 450g)
轴向跳动(最大)/Axial Play(Max)	0.075mm(Load/负载 920g)
额定工作状态/Duty	连续/Continuous
绝缘耐压/Dielectric Strength	500V A.C
绝缘电阻/Insulation Resistance	100MΩ以上/Min
绝缘等级(UL)/Insulation Class(UL)	B
温升/Temperature Rise	80K以下/Max
寿命(小时)/Life(Hours)	5000以上/Min
使用温度范围/Operation Ambient Temperature	0°C~+50°C
使用湿度范围/Operation Ambient Humidity	20%RH~90%RH
保存温度范围/Storage Ambient Temperature	-20°C~+70°C
保存湿度范围/Storage Ambient Humidity	15%RH~95%RH

接线图/Wiring Diagram



励磁顺序 (2相励磁) Phase Sequence (2 Phase Exciting)

Phase Sequence (2 Phase Exciting)

CW	Step	A	B	A ³	B ³	↑ CCW
	1	+	+	-	-	
	2	-	+	+	-	
	3			-	+	
	4	+	-	-	+	
5	+	+	-	-		