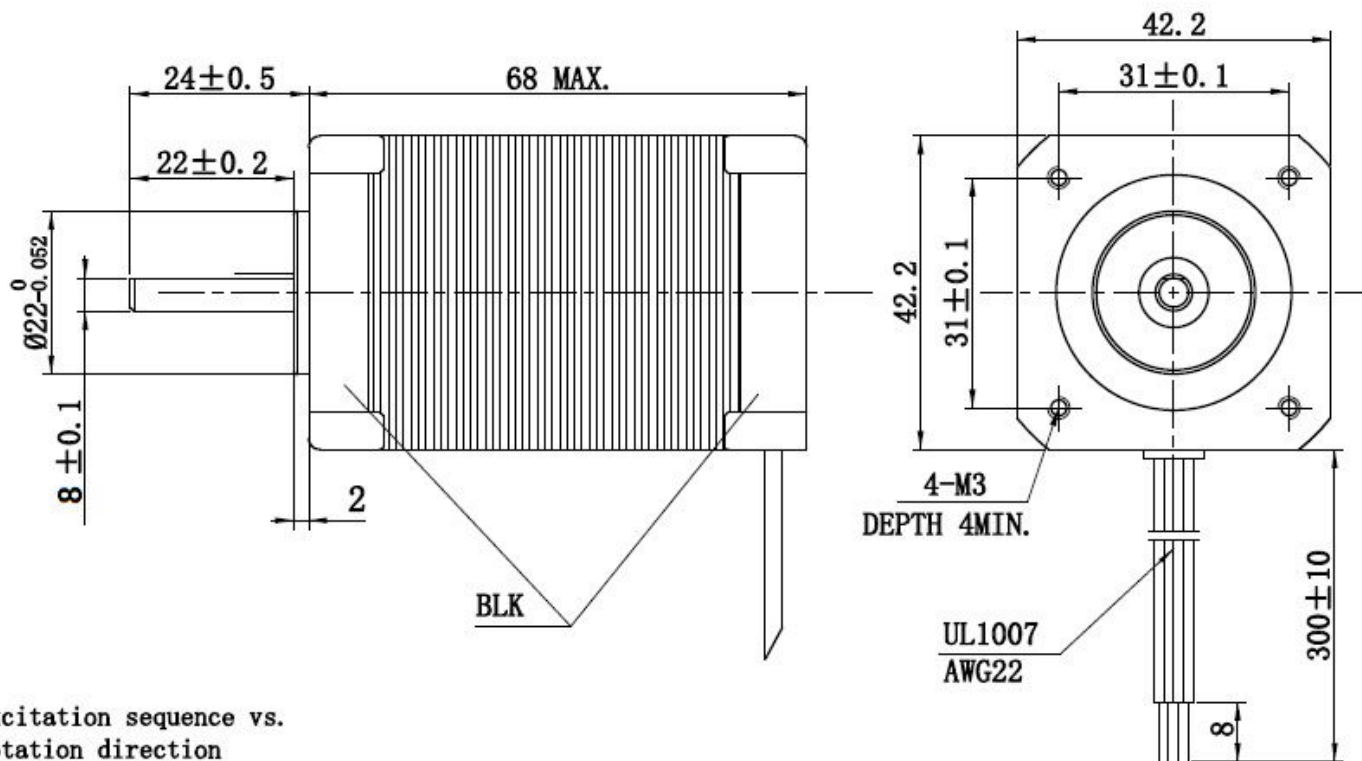


单位 Unit:mm



Excitation sequence vs. rotation direction
励磁顺序 VS. 旋转方向

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

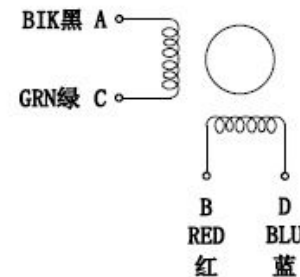
From the end of the axis, rotate CW in clockwise direction.
从出轴端看, 顺时针方向旋转CW

BLK GRN RED BLU
黑 绿 红 蓝
A C B D

电机特性
Motor characteristics

项 目 Program	规 格 Specifications
额定电压 Rated voltage	DC 7.5V
额定电流 Rated current	DC 1.5A/Phase
步距角 Step angel	1.8° ±0.09°
相 数 Number of phase	2
相电阻 Phase resistance	5.0x(1±10%) Ω/Phase
相电感 Phase inductance	11x(1±20%)mH/Phase
保持转矩 Motor holding torque	920mN.m TYP.
定位转矩 Motor detent torque	30mN.m REF.
最大空载启动频率 Maximum NO-load starting frequency	≥ 1500 PPS(Half step)
最大空载运行频率 Maximum NO-load operating frequency	≥ 2500 PPS(Half step)
绝缘电阻 Insulation resistance	≥100M Ω (DC500V)
绝缘等级 Insulation Class	Class B
转子惯量 Rotor inertia	140g.cm ²
质量 Weight	0.37kg REF

电气原理图
Wiring diagram



Size subject to drawings marked

Unit: mm Proportion: nts

Project No.:

0° 0 ±0.2

0.0° 0.0 ±0.1

0.00° 0.00

0.00° 0.00

0.00° 0.00

0.00° 0.00

Title: 42BYGH50XX-N-24D Outline Drawing

Designer/Date

Proofreader/date

Standardization/Date

Approved by/date

Version No. : A

Version	Change content	Date
A	Initial release.	