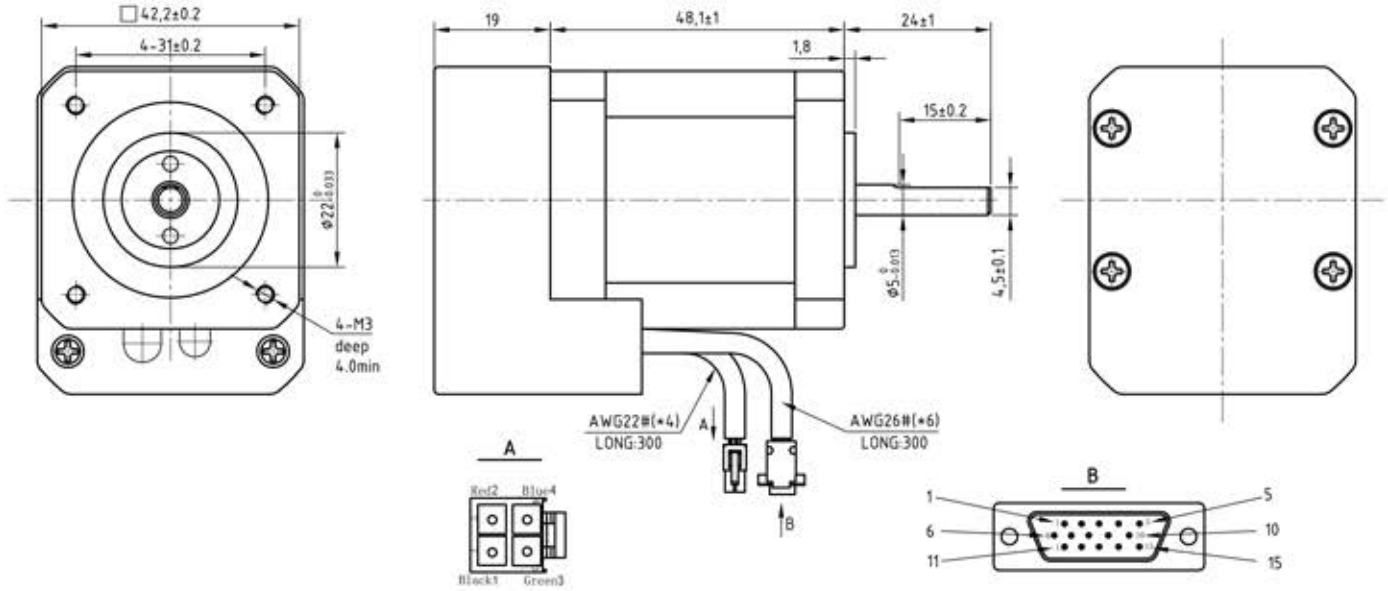
TM-STPP-17-2-R2500

RoHS COMPLIANT

CE

Dimensions Unit=mm



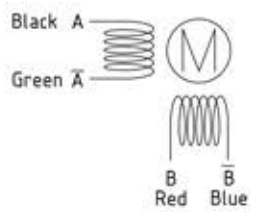
Encoder Control (2500CPR)

8	Black	EGED
7	Red	+5VCC
1	Blue	EA+
2	Blue/ White	EA-
3	Orange	EB+
4	Orange/ White	EB-
6	Green/ White	EZ-
5	Green	EZ+

Motor Specification

Number Of Phase	2
Basic Step Angle	1.8°
Positional Accuracy(no-load)	±0.09° Max
Rated Current(Phase)	1.2A
Resistance(Phase)@20℃	3.2Ω±10%
Inductance(Phase)@1KHz,1Vrms	8.7mH±20%
Holding Torque	0.48N · m
Rotor Inertia	≈77g · cm²
Mass	≈0.36Kg
Radial Play(Max)	0.025mm(Load 450g)
Axial Play(Max)	0.005mm(Load 920g)
Duty	Continuous
Dielectric Strength	500V A.C
Insulation Resistance	100MΩMin
Insulation Class(UL)	B
Temperature Rise	80K Max
Life(Hours)	5000Min
Operation Ambient Temperature	0℃~+50℃
Operation Ambient Humidity	20%RH~90%RH
Storage Ambient Temperature	-20℃~+70℃
Storage Ambient Humidity	15%RH~95%RH

Wiring Diagram



Phase Sequence(2 Phase Exciting)

CCW	Step	A	B	Ā	B̄	CW
	1	+	+	−	−	
	2	−	+	+	−	
	3	−	−	+	+	
	4	+	−	−	+	
	1	+	+	−	−	

Label Discription

First Angle View

Edition	Revisions	Designed	Date
A	First Edition		

Approved			Material		
Checked			Finish		
Designed			Tolerance	±0.2	NO. 025250
Drawn	WY	190220	Scale	1:1	Sheet 1/1