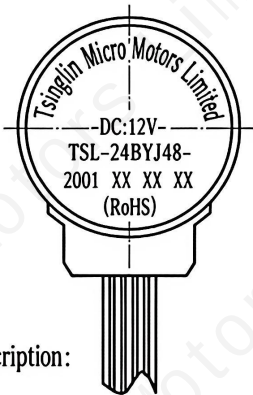
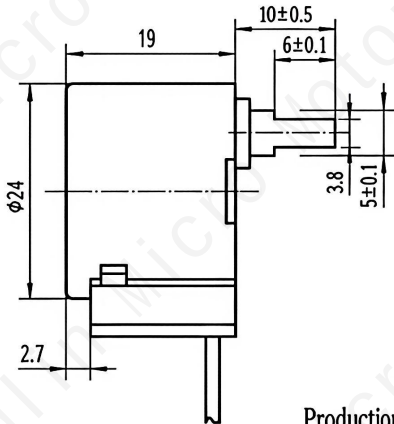
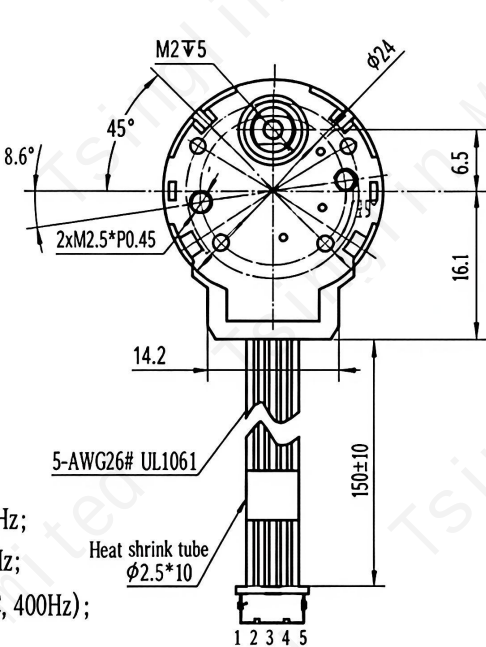


Technical Requirements:

- 1. Rated voltage: 12 VDC;
- 2. Number of phases: 4;
- 3. Reduction ratio: 1/64;
- 4. Step angle: 5.625°;
- 5. Drive mode: 1-2 phase excitation;
- 6. DC resistance: 75 Ω ± 10% (25 °C);
- 7. No-load operating frequency: >500Hz;
- 8. No-load starting frequency: >1000Hz;
- 9. Pull-in torque: >110mN·m (12VDC, 400Hz);
- 10. Pull-out torque: >70mN·m;
- 11. Insulation resistance: >50M Ω (500V) ;
- 12. Insulation withstand voltage: 600VAC/1mA/1s;
- 13. Insulation class: B;
- 14. Temperature rise: <60K;
- 15. Noise: <40dB (100Hz, no-load, 10cm) ;
- 16. Terminal strength: 2.54*5P;
- 17. Output shaft verticality: 90±1° ;
- 18. Axial play: 0.05~0.3mm;
- 19. Other dimensions not specified are for reference only, not subject to GB/T 1804-m class.
- 20. Friction torque: 150~294mN·m



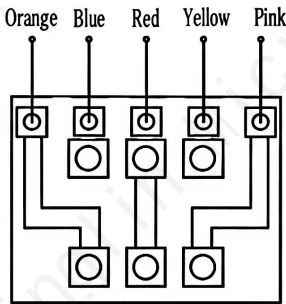
Production Date Description:

XX XX XX
B (01-31)
Month (01-12)
Year (A.D.)

1-2 Phase Excitation Sequence
(Viewed from output shaft side, CCW)

Step	Color	Excitation sequence							
		1	2	3	4	5	6	7	8
1	Blue	+					-	-	-
2	Green			-	-		-	-	
3	Yellow		-	-	-				
4	Orange	-	-						-
5	Red	+	+	+	+	+	+	+	+

Wiring Diagram



				Tsinglin Micro Motors Limited		
				Outline Drawing of Stepping Motor		
				24BYJ48-2001		
Mark	No.	Change Content	By	Date	Drawing No.	Weight
Designed						Scale
Checked						2:1
Approved					Total Sheets	Sheet No.
Date						