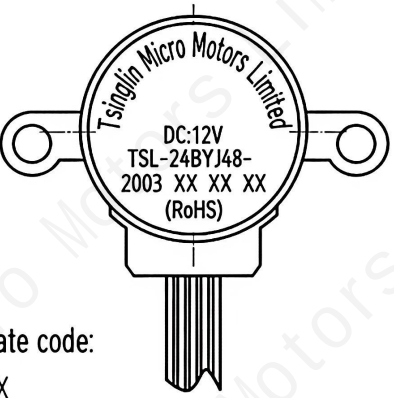
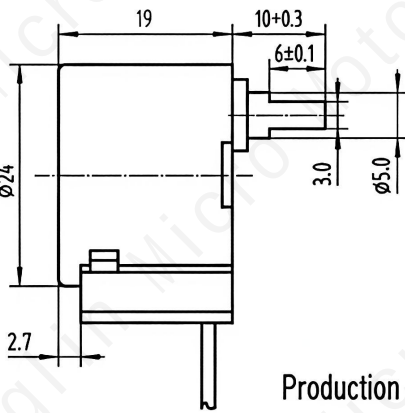
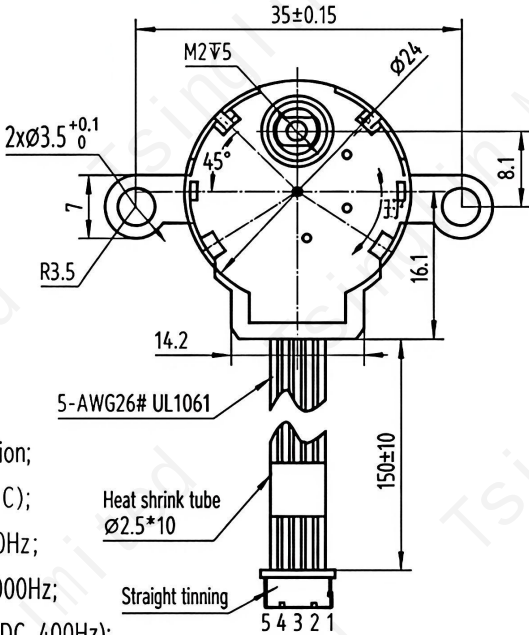


Technical Requirements:

- 1. Rated voltage: 12 VDC;
- 2. Number of phases: 4;
- 3. Reduction ratio: 1/64;
- 4. Step angle: 5.625°;
- 5. Drive method: 1-2 phase excitation;
- 6. DC resistance: 75 Ω±10% (25°C);
- 7. No-load pull-in frequency: >500Hz;
- 8. No-load pull-out frequency: >1000Hz;
- 9. Pull-in torque: >110mN.m (12VDC, 400Hz);
- 10. Detent torque: >70mN.m;
- 11. Insulation resistance: >50MΩ (500V);
- 12. Insulation withstand voltage: 600VAC/1mA/1s;
- 13. Insulation class: B;
- 14. Temperature rise: <60K (100Hz);
- 15. Noise: <40dB (A) (100Hz, no load, 10cm);
- 16. Terminal pull-out force: 2.54*5P;
- 17. Output shaft verticality: 90±1°;
- 18. Axial play: 0~0.3mm;
- 19. The dimensions of the non-toleranced parts are for reference, with a tolerance grade of GB/T 1804-m.
- 20. Friction torque: 150~294mN·m

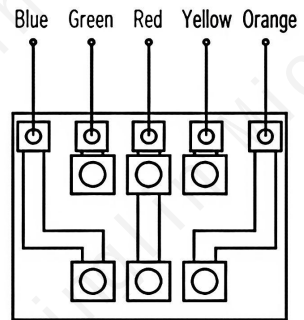


Production date code:
XX-XX-XX X
Serial number (A, B, C,...)
Day (01-31)
Month (01-12)
Year (A.D.)

1-2 Phase Excitation Sequence Table
(View from output shaft side, clockwise (CW))

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

Wiring Diagram



				Tsinglin Micro Motors Limited		
				Motor Outline Drawing		
Mark	Qty.	Change Description	Signature	Date	Drawing No.	Weight
Designed						Scale
Checked						2:1
Approved						
				Date	Total Sheets	Sheet No.
						24BYJ48-2003