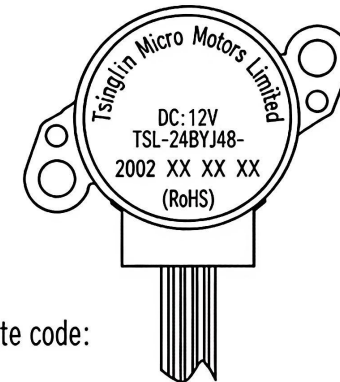
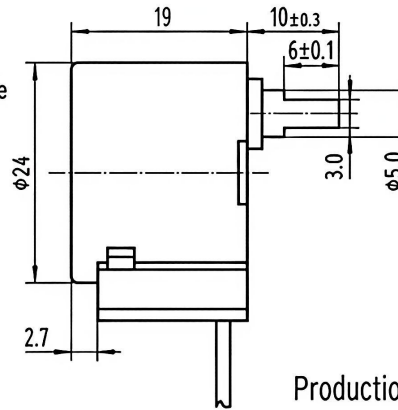
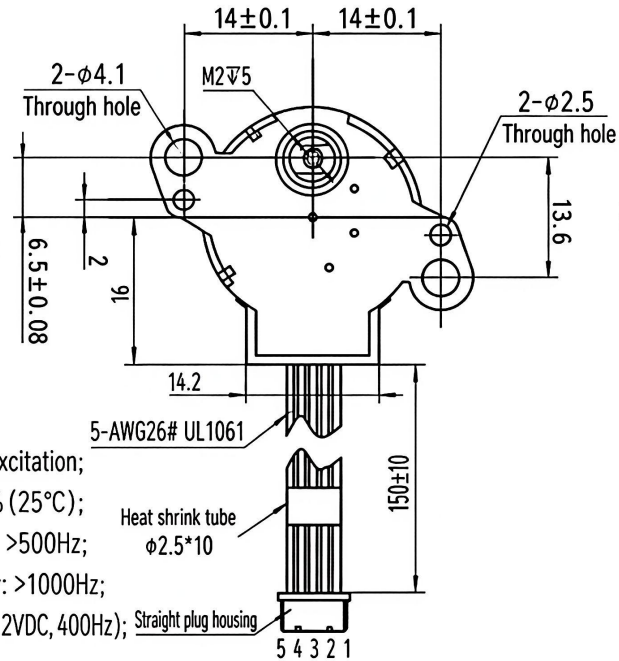


Technical Requirements:

1. Rated voltage: 12 VDC;
2. Phase number: 4;
3. Reduction ratio: 1/64;
4. Step angle: 5.625° ;
5. Drive method: 1-2 phase excitation;
6. DC resistance: $75\ \Omega \pm 10\%$ (25°C);
7. No-load pull-in frequency: $>500\text{Hz}$;
8. No-load pull-out frequency: $>1000\text{Hz}$;
9. Pull-in torque: $>110\text{mN}\cdot\text{m}$ (12VDC, 400Hz);
10. Detent torque: $>70\text{mN}\cdot\text{m}$;
11. Insulation resistance: $>50\text{M}\Omega$ (500V);
12. Insulation withstand voltage: 600VAC/1mA/1s;
13. Insulation class: B;
14. Temperature rise: $<60\text{K}$ (100Hz);
15. Noise: $<40\text{dB}$ (A) (100Hz, no load, 10cm);
16. Terminal pull-out force: $2.54 \times 5\text{P}$;
17. Output shaft radial play: $90 \pm 1^\circ$;
18. Output shaft axial play: $0 \sim 0.3\text{mm}$;
19. The plug-in size is for reference only,
unspecified tolerances shall be in accordance
with GB/T 1804-m grade;
20. Friction torque: $150 \sim 294\text{mN} \cdot \text{m}$



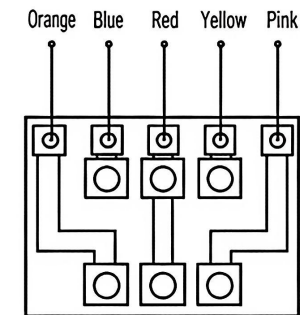
Production date code:

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

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

Step No.	Wire Color	Drive Sequence							
		1	2	3	4	5	6	7	8
5	Blue						-	-	-
4	Yellow				-	-			
3	Orange		-	-	-				
2	Brown	-	-						-
1	Red	+	+	+	+	+	+	+	+

Wiring Diagram



						Tsinglin Micro Motors Limited		
						Motor Outline Drawing		
Mark	Qty.	Change File No.	Sign	Date	Pattern Mark	Weight	Scale	24BYJ48-2002
Design							2:1	
			Date		Total Sheets	Sheet No.		